STAGNATION AND DROPOUT AT PRIMARY STAGE

IN

NINE EDUCATIONALLY BACKWARD STATES

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FONS (Ort)

Universalisation of alchentary aducation has been a major thrust of educational policy and plan sance independence. All variates in this direction have, however, been off set by a high rate of assumption and directly at primary stage which has persisted as and same stumbling block in achieving this soul.

In the post independence, rand volumes weasures, both acare, to and administr save, have been taken up from time to time to arrest or manifeld stagmation and directors.

number of studies have been conducted by various institutions or individuals to estimate the cuttoes and estimate of massage and stagmation. But, by and large, one as studies were contained to esther selective small areas of their sample sizes were unusually small to permit depend the generalisations.

the entent of educational results in terms of the formand disjoint in the mane educationally them and some some and disjoint in the mane educationally them and some some and pradesh, assem, Blance, James and Lashmar, reconstruction of Pradesh, Orissa, Lajanthan, Jut i Pradesh and the Borgal. Bulk of children of the age-group 6 to relocate for these states were established to school or dropping out from them soon after getting envolves or stagnating in schools at primary stage. The size of the sample of this study is large enough for the derivation of quite a valid estimation of the indices of stagnation and dropout for these states.

thanks are due to the siducation Departments of the states for their cooperation and nelp in the completion of this project. The valuable contribution of five project. The valuable contribution of five project ancharges deserves a special mention at this state, for having accomplished the arduous task of collecting and sent timesing the data for the project.

I also take this opportunity to place on locard my appreciation of the meticulous and conscientious enforts of this J.A. Gupta, this last of this Department in proporting this technical report.

Manks are also due to Dr...... baxens who had initiated this project and bendled it along with oth 1 mabers xxxxx xxxx at xxxx xxxxxxx of the project test until september, 1985. The names of Finials businessed and Prof.K.N. Liriyahman deserve a special sension for guiding the study.

I would like to conclude by solving the solventiffcally arrived at estimation of stagnation and dropout, through
the use of sophistic tec accontinue to likely to have a much
wher epplication that what has originally analogated. It
is hoped that these finally satellib a found to be of practical
use in educational planning and administration and may also
help in identitying and implacements collective measures both
in the content and process of education for regulary, the goal
of Universalization of algorithms adduction.

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CHAPTER - I

INTE DUCTION

elementary education came to the fore as the main thrust of educational policy and programmes since independence. The Directive Principles of State Policy in the Indian Constitution unambiguously enunciate this is the following words in Article 45 "The State shall endeavour to provide, within a period of ten years from the commencement of the constitution for free and compulsory education, for all children until they complete the age of fourteen years". This resolve was again reiterated through the Resolution on the National Policy on Education (1968) and reaffirmed in National Policy on Education, 1986. This also set 1990 as the target for achieving universal enrolment at primary level and the year 1995 at the upper primary level.

With a view to achieving this goal, targets were set and allocation made in all the live year plans which treated universalisation of elementary education as a priorit item. In the Fifth Five Year Plan elementary education was incorporated in the National Minimum Needs Programme (NMNP). Provision of educational facilities at a convenient walking distance to children up to the age of fourteen years is the first stated prerequisite for achieving the goal of universalisation.

Some related statistics appear appropriate to be mentioned at this atage. According to Fourth All-India

"Musetional Survey (1970', 17.82 percent of miral population had access to primary stage schooling facility upto walking d tence of 1 km. whereas 78.83 percent of rural population was served by middle stage schooling facility within a walking distance of 3 km. A summarily drawn inference of this could: that the provision of educational facilities has been made to almost all children as far as schooling facility for primary level education is concerned but that in regard to middle stage schooling facility, the goal of universal provision has yet to be achieved. This survey also reveals that 64.13 perg of the children in the age-group 6 to below 11 years and 41.72 percent of the children in the age-group 11 to below 14 years were in schools, which brings us to the conclusion that the proportion or children enrolled in schools is much less a against provision of schooling facilities available to them.

the children is not attending sould can broadly be classified into two rategories. First category includes children who did not join the school at all (non-enrolment) whereas the second category comprises those children who were enrolled in schools but later on withdrew before completing a stage of education. The data of the Fourth All-India Education who were clearly shows that the problem of non-enrolment is sowere at middle stage than at primary stage.

The problem of wastage and stagnation which has now assumed disturbing proportions was highlighted for the first time by the Hartog Committee's Report in 1928. The first ever study of this problem seems to have been undertaken in early 1940's by the Bombay Provincial Board of Primary Education in the erstwhile Bombay Province. Since then several studies were conducted by several institutions and individuals for identifying the extent and causes of wastage and stagnation. Each of these studies had according to supposted some remedial measures. These studies had according to districts or at boat a few regions within a stage and their samples too were very limited. At the national level only two important investigations were taken up.

The first effort to study wastage and stagnation at the national level was made by NCBRT in 1964. In this study the extent of wastage and stagnation was worked out separately

with the then Ministry of Education and Social Welfare. The problem was also studied on a sample basis in the states of Maharashtra, Punjab and Rajasthan and the erstwhile Union Territory of Himachal Pradesh and Delhii

In 1976 NCERT again undertook a study on the problem of stagnation and dronouts on a highly restricted sample basis. The study covered the states of Andhra Pradesh, Assam, Lihar, Gujarat, Jammu & Kashmir, Karmataka, Karala, Madhya Pradesh, Haharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. From each state 3 to 5 primary schools of the rural areas and 2 to 4 primary schools of the urban areas constituted the sample. In this study estimates on stagnation and dropouts were made separately for boys an girls, for rural and urban areas as well as for students belonging to schooled on the accordance.

Since the sample size was very small the scope of part of the res 1ts was severely restricted.

It was in this booksround that the propert it.

taken up by the NCERI for the time the extent of root

terms of staggation on "porcut retain to primary of a.

Objectives of the Smalls

The objectives of the stray are to estimate overall wastage rates in terms of then tion (repeater) and dropout

rates separately for boys and girls and for rural and urban areas and for children belonging to Scheduled Caste and Scheduled Tribe category.

Scope of the Study:

- (1) The study cours nine educationally backward states
 namely Andhro Pradesh, Assam, Bihar, Jammu & Kashmir,
 Uttar Pradesh
 Madhya Pradesh, Orissa, Rajasthan and West Bengal.
- (ii) All the children studying at primary stage of education in recognised schools of the concerned states from
- 1979-80 to 1981-82 constitute the population of the study.
- (iii) The study is a status study and it does not propose to investigate the causes of stagnation and dropouts.

CHAPTER 2

DISTON OF THE STUDY

This chapter deal. , the sampling design adopted for selection of school from rural and urban areas;

(b) the tool used for the collection of data; and (c) the estimation of cell frequencies and the procedure for estimating stagnation and dropput rates. Definition of various terms used in the study also form a part of the chapter.

Sampling Design:

Ideally children enrolled at primary stage in recognised? schools in each state should have formed the population of the study. But it was not feasible to have such a sampling frame. Alternatively, a sample of recognised schools having primary sections in them was selected from each state and all the children in selected schools were taken into consideration for estimating stagnation and repout rates.

To draw a representative sample each state was divided into two domains namely rural and urban areas. The allocation of schools to rural and urban areas was made on the basis of average size of schools and the number of schools, as par the data of the Fourth All-India Educational Survey. Table 1 ci

area-wise number of schools allocated for each state.

TAHLE 1
Number of Schools Allecated in Rural and Urban Areas

sl.No.	State	Rural	Urban	Total
1.	Andhra Pradesh	780	200	980
2.	Assam	720	250	970
3.	Bihar	800	200	1000
4.	Jammu & Kashmir	600	200	800
5.	Madhya Prade. "	780	250	10 30
6.	ori ssa	800	200	1000
7.	Rejasthan	700	300	1000.
8.	Utter Pradesh	880	250	11 30
9.	West Bengal	720	25 0	970

Procedure for Selection of the from Rural Troops.

The selection of schools from rural areas was made by using a two-stage sampling scheme. The first stage of selection consisted of selection of blocks, which were the primary or first stage sampling units (PSU). Table 2 gives the number of blocks selected in different identified states. Selection of PSU's was made by using probability proportional to size (PPS) sampling with replacement, number of schools with primary sections in a block being the wire of PSU. Blocks were selected regionwise in

Number of Selected Blocks and Schools Selected per Block

Sl.N	o. S tate	No.of blocks selected	No.of schools sele- cted per block
1.	Andhra Prade	71	13
2.	Assam	72	10
3.	Bihar	80	10
4.	Jammu & Kashmir	5€	12
5.	Madhya Pradesh	65	12
6.	Or <u>i</u> ssa	80	10
7.	Rajasthan	70	10
8.	Uttar Fradesh '	110	8
9.	West Bengal	60	12

Procedure for Selection of Schools from Urban Areas:

stage sampling scheme was adopted for selecting the schools, towns being the primary or first stage sampling units (PSU) and schools as the second stage sampling units (SSU). Primary sampling units were selected using probability proportional to size sampling. Population of the town was considered as the size of PSU instead of number of schools as taken in the case of rural creas. This was done as the information on number of schools with primary sections in the towns was not readily available with the states and it was stupendous task to collect this information from all the towns. From each selected town, the selection of all old (SSU) has been done using simple random sampling without replacement (SRSWOR).

Selection of Towns,

Different cleases of towns as given in 1981 Census formed the basis for stratification for the selection of towns of the six classes of them, five strata were made by clumbing class V and class VI towns together. From each stratum sample of 10 percent of the towns with a sinimum of three (if available) were selected by alopting the procedur of probability proportional to sime sampling with replacement; since being the modulation of the town.

Selection of Schools from Selected Towns:

From each of the selected class I towns 24 schools to. selected using simple random sampling without replacement. similarly, 16 and 2 schools were selected from class II and class III towns respectively. All the schools of the remaining selected man ware included in the sam le. Because of this, the number of schools selected from ur an areas may differ from the allocated number of schools.

Representation of Scheduled Tribe Students:

As Scheduled Tribe population is concentrated in certain areas which are known as sub-plan areas, the s. rle drown without giving proper representation to these armys might not have provided reliable estimates of stagnation and dropouts are Scheduled Tribe children. In view of the special features of the Scheduled Tribe population, it was considered worthwhile. to give proportional the lor the representation of the representat plan areas while selecting the rural and urban primary samiling units.

Tool for Collection of Data :

Questionnaire schetituted the tool of data collection. The questionn ire, given in Appendix I, was developed by the project team at NCERT, New Delhi. It was decided that the questionnaire should be printed in regional language of the state. But Jammu & Kashmir and West Bengal preferred to use the English version. Questionnaires in Hindi were canvassed in four states namely Bihar, Madhya Pradesh, Rejesthan and Uttar Pradesh. In Andhra Pradesh, Assem and Orissa questionny in regional language of the state were used.

The information through this questionnaire was sought for primary classes on new entrants, promothes, repeaters, students appeared and massed in the final examination. This information was callected for the years 1979-80, 1980-81 and 1981-82, in respect of total and girl students of all communities as also for Scheduled Caste and Scheduled Tribe categories.

Following are the definitions of some of the terms used in the questionnaires.

N w Entrants: Those numbers who were not studying/enrolled in any recognised school of the state in the previous year have been treated as new entrants. (Students seeking idnission with transfer certific transcending in a fitte transcending in the state were not considered as new entrants).

Promotors: Those wills who passed or were promoted from the previous class from any recommised school of the state have been treated as are at

Recentors: The mails outlined or were detained in the same class of modernized school of the state have been treated as now re.

Estimation of Cell Fred Lag:

As stated earlier rural areas were divided into homogeneous regions known as strata. Each region (stratum) who firther divided into two sub-strata namely tribal and non-trib 1 areas. The procedure to totimate the cell frequencies of items 11 and 12 pertaining to corolment and examination results for each sub-stratum is given below:

- The average for each cell was calculated by dividing the sum of the corres and any cell frequencies of schools in a block by the number of schools responded in that block.
 Let this average for b th block be denoted by Y_b.
- 2. Estimate of cell frequencies for the sub-stratum on the basis of bth block was worked out by multiplying the average (\$\vec{Y}_{b}\$) by \$\frac{S_{b}}{P_{b}}\$; where \$S_{b}\$ is the number of the block was selected, \$N_{b}\$ is the total number of school in bth block, and \$P_{b}\$ is the probability of selection to bth block.
- 3. Estimate of cell frequencies for a sub-stratum in a concludated by adding the indices obtained above over all the blocks in that sub-stratum and dividing it by the number of blocks in the sub-stratum (sum of Sp over all blocks).

- 4. Pooled estimates for tribal and non-tribal rural areas
 were worked out by adding each of the sub-stratum
 estimates over all strata.
- 5. Pinally, the estimates of cell frequencies for all, SC are streamed in rural areas were obtained by adding the respective cell frequencies of tribal and non-tribal estimates.

A similar procedure was adopted for deriving the prolon estimates for urban areas. But urban areas were not classified into tribal and non-tribal areas.

Procedure for Betweeting Stagnation and Drop-out Rates:

The above mentioned estimated values for rural and urban areas provided the base for estimating stagnation and dropout rates by using 'reconstructed cohort method' discussed in the subsequent section. Here 'cohort' refers to a group of putils joining class I i 1070-80.

The ideal way of estimating stagnation and dropout rates.

would have been by adopting the 'true cohort method' in this
all purils of the cohort are required to 's followed or till
they either complete the cycle or drop out in hat we to
this method is not practicable in a country of the single
India as it requires huge financial rescurces and is very till
consuming. However, such a method is used in some inveloced
countries with smaller contlation like Swelen.

Another method that is most commonly used for this type of studies is the "apparent cohort method". In this method to enrolment in class I in a given year is compared with enrolling in successive classes during successive years and it is assumed that the decrease from each class to the next of massement to wastage. Thus it assumes that purils are either promoted or drop out of school and ignores the remetition factor. Consequently, it gives very rough approximation of the estimate of dropp to rate.

In cases where data on repeaters for each class are also available, an alternative method known as 'reconstructed' cohort method' which has been used in this study, would provide more precise estimates of dropout as compared to 'annarent cohort method'.

Reconstructed Cohort Method:

This method makes it positive to follow up a group or pupils entering class I in terms of their detting promoted from one class to the next, repeating a class or learning out of school, without actually keeping track of the color from year to year, till they complete the cycle or drop out in between. This method can be used even if the data on class-wise enrolment, remotees, and repeaters are available just for two consecutive years. In this study the requisite data was available for three consecutive years, which provided

two sets of values for menture, repeater and dromouts rates for each class (one set of values based on 1979-80 and 1980-81 data while the other one on 1980-81 and 1991-82 data). Geometric mean of the two values for each of the indices has used as the rates of promotees, repeaters and dromouts. The reconstructing the cohort. It is assumed here that these rates over the years remained stable and public after three failures dropped out of school.

Reconstruction of the Cohort:

The cohort is reconstructed by assuming 1000 purils instead of actual enrolment in Class I in the year 1979-80. The first diagonal row is obtained by multiplying the successive promotee rit or classes I, II, III and IV for the years 1979-80, 1980-81, 1981-82 and 1982-83. The repeater and dropout rates are then applied to obtain the second row. Again the same procedure, as adopted in the dash of first diagonal row, is repeated for the second line of row; and so on. Public after three tailure how have line as droped out of school. Also, the public of root as droped as if they have completed the cools. Record truction the cohort on the highest filmed install out of enrolment in class I will be in the computation and runther utilisation of findings in terms of percentages.

Flow diagrams indicating class to class to class group of public entering class I have been are not defined different categories of public. In all, fifteen such the diagrams for every state have been prepared/which/ore tall in Appendices. These flow diagrams have been used in an entering various indices given b low:

- i) Input/output retio
- ii) Overall Propout rate
- iii) Output by number of remeating years
- iv) Promotees profils
- v) Percentage of nepil-years shent in excess
- vi) Percentage of pubil-years spent in excess attributable to repeaters who completed the cycle
- vii) Fercentage of pupil-years spent in excess attrabutable to dropouts
- viii) Excess pupil-years attributable to dropouts but effective.

Definition of terms:

The terms used in the preceding section are defin d here.

Promotee Rate:

Promotee rate for a divan class in a given year may be expressed as the ratio of promotees in the successive class of the successive year to the total enrolment of that class

in that year. Symbolically,

where p refers to promotee rate, P for rupils remoted, or for class, y for year, and E for enrolment.

Repeater Rates

Repeater rate for a given class in a given year is the ratio of the number of receaters of the same class in the successive year to the total enrolment of that class in that year.

year.
$$\mathbf{r}_{\mathbf{v}}^{\mathbf{c}} = \frac{\mathbf{r}_{\mathbf{v}+1}^{\mathbf{c}}}{\mathbf{g}_{\mathbf{v}}^{\mathbf{c}}}$$

where 'r' refers to repeater rate and R refers to number of repeaters.

Prop-out Rate:

Drom-out rate for a given class in a given year is the ratio of the number of pupils who dropped out in the same class in that year to the total enrolment of that class in that year. It may be obtained by subtracting from 1 the sum of promotee and drop-out rates.

$$\mathbf{d}_{\mathbf{y}}^{\mathbf{c}} = 1 - (\mathbf{p}_{\mathbf{y}}^{\mathbf{c}} + \mathbf{r}_{\mathbf{y}}^{\mathbf{c}})$$

where 'd' refers to irop-out rate.

Input/output ratio:

of pupils entering class I up to completing the cycle to the optimum pupil-years to be invested to complete the cycle.

Imput/output ratio gives an account of over-investment of educational resources due to repetition.

Overall Dropout Rates

Overall dropout is the difference between the number of publis entering class I and those who completed the cycle. The ratio of this difference to publis who entered class I is known as "overall dropout rate".

Promotees Profile:

This profile shows the promotion of pupils from one class to another. With the help of this profile class to class transition rates can be worked out.

Percentage of Pupil-years spent in Excess:

Pupil-years spent in excess is the difference between pupil-years actually spent and optimum pupil-years required to complete the cycle. Dividing this difference by the total pupil-years actually spent and multiplying the resultant quotient by 100 would provide the percentage of pupil-years spent in excess.

Percentage of Pupil-years s ent in Excess Attributable to Repeaters who completed the Cycle:

This is the percentage of excess puril-years then publis who completed the cycle through repetion to the total puril-years spent in excess.

Percentage of Puril-years - ont in Excess Attributa le to Drop-outs:

This is the percentage of excess pupil-years attributable to dropouts to the total puril-years shent in excess. It is obtained by subtracting arom 100 the percentage of excess pupil-years attributable to reseaters who completed the cycle.

The last two indices explain that in what proportion the excess punil-years were used by punils who completed the cycle through recetition, or by punils who dropped out.

Pupil-years Attributable to Dropouts but Effectives

It measures the relative benefit accuring from a proportion of excess publi-years attributable to dronouts who left school after having been promoted at some stage.

The publis who dron out in dass II, one year can be considered effective for them. Similarly, 2 and 3 years can be considered effective for those number who drop out in classes III and IV respectively.

Organisat n of the Study

The Education Signification of the nine educationally backward states was approached to nominate a sinior officer of the Directorat, are forably the one incharge of educational statistics. The nominee from each state was made responsible for executing the project in his state with the help of officers at the district and block levels. The names and addresses of the officers incharge of the states are given in Appendix.

A meeting of the officers incharge of the nine states was held at the NCERT headquarters to discuss the various issues pertaining to the sampling design for selection of schools, organization of data collection, scrutiny of filled-in quistionnaires and sample checking of data. The members of the project team also perticited in the meeting.

The questionnair already developed by the project team was discussed in a neuting and it was modified in the light of suggestions a by the participants. It was decided in the meeting that the questionnaire should be canvassed in the regional language of the state. However, the representatives of Jammu and Kashmir and Mest Bengal opted for the English version. While the state incharge was made responsible for getting the questionnaire translated into the regional language

and printed the same in sufficient number, the responsibility of printing the questionnaire in Hindi was entrusted to the NCERT:

The state representatives decided that the required day from the sampled schools should be collected through the Plock Education Officers. The group was of the opinion that before distributing the questionnaires to the District/Block level Education Officers, school code numbers should be entered on the cover page of the questionnaires at the state headquarters itself. Besides, the names and addresses of the sampled schools should also be written in advance.

Role of Different Agencies:

MCCRT:

The project team developed the design of the study and prepared tools for coll of data. The print of questionnaires in Mindi as done at NCERT headquarters.

The project team of rdinated with the states in selection of blocks/towns, all ction of schools, collection and scrutiny of data, and on the spot checking on 1% schools for correct and consistent information.

The analysis of data in respect of all the states was taken up at the MCSRT f r which the project team was made responsible. The data was computerised for all the states

except Andhra Predesh and Utter Pradesh. Computarisation of data was taken up in collaboration with the National Informatic Centre, Department of Electronics, New Delhi. The data of Andhra Pradesh and Utter Pradesh were analysed Manually as the National Informatic Centre was to which the its new promises and because of which they were unable to process the data of these offices.

At the transferring certain inconsistencies were found in the data of many schools. It took a lot of time in getting these inconsistencies removed. In cases where inconsistency in the data could not be removed, the school forms were rejected.

State Level:

The officer incharge in the state supervised the project in his state. He got collected list of all recommischools with primary classes from the selected blocks/towns. This list was used for a laction of schools. Set 15 Code numbers were written on the questionnaires before sending them to the town/block level inspecting officers of the sampled towns/blocks. He was also responsible fir gett. It back the filled-in questionnaires from them. Besides, required to organise on the spot checking of 10% school forms through District Statistical/Planning Assitant. He was also responsible for through scrutiny of questionnaires before despatching them to NCERT.

District Levels

Officer/Basic Shiksha Adhikari was made responsible for getting the timely collection and scrutiny of filled-in for with the help of block/town level inspecting officers. He is also made responsible for conducting 10% sample checking with the help of District Statistical/Planning Assistant.

Block/Town Level:

Block/town law 1 inspecting officers were required to assist the officer incharge at the state level in collection of data from the selected schools. These officers were also responsible for proper scrutiny of the filled—in forms for complete, correct and consistent information.

Sample checking of Questionnaires

A varification of 10% . I campled schools was done by the Statistical/Planning Accistant responsible for collection of educational statistics at the district level. There filled in the same questionnaires independently by visiting schools. These schools were scheetel using simple random sampling procedure. This verification was taken up only after the filled—in questionnaires from all the schools were received at the state headquart rs.

About 1% of the total sampled schools from each state

where the hely streeted for the purpose of on the spot checking
by the NCERIfetty level officers.

CHAPTER 4

Some Indices of Stagnation and Dropouts in Different States

This chapter deals with the procedure of selection of schools from rural and urban areas along with schools divered under the study for each of the nine educationally backward states separately. It also sowers discussions about the promotee, repeater and droper to rate a and various indices of stagnation and dropouts.

ANDHY, PRIDESH

The state of Andhra I radesh came into being in 1953 on the partition of Madras and consisted of the undisputed Telugu-speaking area of that state. Nine Telugu-speaking districts of former Hyderabad were merged to it in 1956.

It commrises now 23 districts and covers an area of 275050 or .

The total population of the state was 53549673 as records or the 1981 Census. Of these, 41062097 (76.66%) process were residing in rural areas. The population of Scheduled Carter and Scheduled Tribes was 7961730(14.97%) and 3176001 (5.93.) respectively. Among all the states and Union Territories Andhra Pradesh was fifth in the ranking according to its population size as well as by area occupied by the state. The density per sq.km./195. There were 975 females for every 1000 males.

The overall literacy rate of the state was 29.94% (for males 39.26% and for females 20.39%) as against all-India rate

of 36.23%. In rural areas only 23.24% persons one literate as compared to 51.99% in urban areas.

The state has long coastal line of about 960 km.

Agriculture is the main occupation for about 74% of the people of Anthra Pradesh. According to Fourth All-India Blucational Survey, there were 39696 primary, 4382 middle, 356 secondary and 312 higher secondary schools in the state. The number of schools with primary sections was 45122, of which 40720 were in rural areas.

About 96% of the population in rural areas had access to primary schooling facility upto a walking distance of 1 km. including 91.84% persons having the facility within the habitation itself. These percentages were higher than the corresponding all-India percentages. Slightly more than 60% of the children in the age-group 6 to below 11 pairs were enrolled in schools. The presponding percentages for boys and sirls were 69.86 and 50.03 respectively, which were profit than the all-India percentages. This clearly indicates that marry two-fifths of the children in the reserve fits to take the schools will reflecting facility was avoicable to 36% of the population.

Jelection of Schools in Rural Areas

The state was livided into three regions namely Telangana, Coastal A three and Rayalaseema for selection of

schools in rural are . It such region blocks were selected by adopting probability proportional to size (PPS) sampling with replacement, size being the number of schools with primary sections in the block.

In all 67 distinct blocks (10 tribal and 57 nontribal) were selected. Of these, 22 blocks (3 tribal and
19 non-tribal) were from Telengara region, 34 blocks (7 tribal
and 27 non-tribal) from Coastal Andhra and 11 non-tribal blocks
from Rayalaseema. Three non-tribal blocks were got salected
more than once. While one block each in Coastal Anchra tra
Rayalaseema got selected two times, one block in Telengara
was selected three times. Thus the total number of sample
blocks was 71.

by using simple random som line scheme. In the case of bloc having less than 13 schools, all were included into the sample. The total number of schools selected from rural areas was 853.

Selection of Schools in Urban Areas

The procedure for selection of schools in urban areas has already been discussed in Chapter 2. The same procedure has been followed here. Table 1.1 gives the number of towns selected from each category of towns along with

number of schools server and these town-

T'HE 1.1

Number of Towns along with Number of Schools 5 2 Ct. 1

Category of towns	No.of towns selected	Nc.of Schools selected
I	3	72
II	3	42
III	9	61
IA	6	41
V & VI	3	11

category I town, 16 schools from each selected category III town, 8 schools from the selected category III town, and a schools from the remaining selected towns were soldered.

town of category II and two towns of category III it.

schools
than the required number of to be selected from the reconstant.

All schools from these three towns were included in I.

sample. In all 217 schools were selected from urban areas.

Schools covered upon the Study

Although 108) ruestionnaires in Talugu were canva relin 853 schools in rural areas and 227 schools in urban areas

of Andhra Pradesh, only 700 of them were analysed-577 from rural and 169 from urban schools. The remaining questionnaires were either not received back from schools or rejected at the time of scrutiny due to incomplete/inconsistent information given in them. It was not possible to get the inconsistent information in the data removed at that stage. Thus the results is scussed in the subsequent sections are based on the data contexts from 577 schools in rural and 169 schools in urban areas.

Promotee, Repeater and Dropout Rates

out as discussed in Chapter 2. These rates on different variables for All, SC and ST categories are given in 1971as

1.2, 1.3 and 1.4 respectively. As is evident from these tables, classwise promotes rates the in ascending order, lowest for Class I and higher ter class IV, for both boys and girls of SC. ST and all commun. I similar trend is observed in the case of rural and urban areas except for SC students in urban areas where promotee rate is slightly higher in class IV. The tables further reveal that promotee rate for each class is higher in urban sch ols than in rural ones.

Classwise repeater rates are highest in class 1 and gradually declines in higher classes. Interestingly, repeater rate for each class is higher in rural schools than in urban schools; only exception being class IV where only 17.16%

pupils repeated in rural schools as against 25.04% in urban schools. Another interest the highest (45.84%) for ST girls and the lowest (19.57%) for stotal enrolment in urban schools.

There does not seem to be an appreciable difference in dropout rates and all purils in different classes, highest being 19.13% in class II and lowest as 15.49% in class I.

Flow diagrams have been prepared on the basis of promotes, repeater and dropout rates given in Tables 1.2, 1.3 and 1.4 by using the same method as discussed in Chapter 2. The flow diagrams are given in Ampendices.

Analysis of Rfficiency

Imput/sutput ratio, complemented by the overall dropout in an education system, measures the extent of educational wastage. The ratio is of the same order for boys and girls of all communities. It is higher for than for boys belonging to SC and ST categories. The

PROMOTEE, REFERRING AND DROPOUT RATES
FOR FUEL COMMUNITIES

Sex/Area	Class	Promotoe Rate	Renestar Ante	Dropout Rate
1	2	3	4	5
	τ	•5087	¥ 3410	•1503
	II	∙ 5876	÷2207	.1917
Boys	III	•6392	1822	.178€
	IV	.6924 .	.1353	.1723
الله والمساورة	y		.0919	
	I	•4682 °	. 3715	· 1 · ()
	II	. 5733	.2359	150
Girls	III	.6403	.1978	.1619
	VI	.7121	•1595	.1161
	v	-	.1159	
	I	• 4900	. 3551	.1549
	II	.5813	.2274	.1913
Total	III	•637 <i>°</i>	.1888	.173
	ΙV	7005	.1455	.15:0
	V	وسو در ماختاها در میشود.	.1034	-
	I	• 4 337	4214	.1449
	II	•5334	•2884	.1782
Rural .	III	•5855	,2483	.1662
	IA	• 65 4O	.1910	.1350
	v	-	.1148	-
	I	•6 2 51	.1957	.1702
	II	.6684	.116 5	150
U rban	III	.7217	.0877	.:076
•	νī	.7669	•0800	•2531
	V	-	.0616	-

TAFLE 1.3

Promotee, Repeater and Dropout Rater
for Scheduled Caste Pupils

* 31 *

Sex/Area	Class	Promotee rate	Repeater rate	Dronout rate
1	2	3	4	5
	r	.4333	4 3985	.1682
	II	.5435	• 2 390	.2175
Boys	III	.6504	. 2095	· 4401
	IV	.6907	.1646	-1147
	٧		.1053	
	I	. 39 37	. 4275	.1788
	II	•5126 ·	. 30 32	. 1842
Girls	III	.5487	.2063	.2450
	ıv.	. 6395 .	. 1691	.1914
	٧	t	.1477	-
	I	.4149	.4124	.1727
	II .	.5302	. 267 0	.2028
Total	III	, 6 0,80	.207_	.1845
	IA	<u>.</u> 67 1 7	.1689	.1594
	٧	me 4	.121/	
	I	. 3840	. 45 38	.1622
	II	•5159	• 29 30	.1911
Rural	III	.5667	.2463	.1870
	IV	.6487	.2058	.1455
	V		.1412	
	I	.5608	.2119	2273
	II	.5711	.1314	2 175
Urban	III	.7252	. 10 36	.1712
	IA	.7121	1034	.1845
	v	***	.0905	•

TABLE 1.4

: 32 :

Promotee, R. r and Dropout Rates for Scheduled Tribe Pupils

Sex/Area	Class	Fromotee Rate	Repeater Rate	Droport Rate
1	2	3	4	5
	I	• 3858	.4182	.1960
	II	•4728	• 3159	.7113
Foys	III	•5550	. 2236	. 2 11
	IV	.6174	.1929	1
	V		.1281	-
	I	. 4063	. 4584	.1753
	II	.4199	• 2 272	.2929
Girls	III	.5591	.2059	• 2 350
	vı	.6325	.1975	.1700
	v	-	.1377	-
	Ĭ	• 3950	.4360	,1691
	II	• 4505	. 30 32	.246 .
Total	III	•5561	.2166	.2272
	IV	.6229	.1947	.1824
	V	-	.1319	_
	I	• 3c . 3	. 4 579	• +59
	II	•4569	. 3346	.2085
Rural	III	.5864	.2352	17, 1
	IV	.6084	.1716	12227
	V	,	.1462	*
	I	,4214	. 3376	*5 *0
77 <u>4</u>	II	. 4266	.1830	ACC.
Urban	III	. 47 32	. 1653	. 2515
	IV	.6585	. 2504	.)511
	v	-	.1076	_

Input/Output / washy Overall Disjoint Reits

Sex 'Area	I TRE	Imput/Output rit o (Verall Brop					
TON MICO	All	SC	S I	All	sc	3"	
1	2	3	4 2 2	**************************************		17	
Boys	2, 33	2. 19	3 . 77	65.5	68.3	70.0	
Girls	2. 32	3, 2n	3.59	55.2	and C. J.	** * · ·	
Total	2.33	2,74	3, 47	65.4 .	71,5	75 . 1	
Rural	2,69	1, 20	2.33	60.1	73.0		
Urban	2.96	2. 21	2.7.	61, 2	- F1.7	£4.5	

internal efficience is the acceptability in the ST ctulence.

This is mainly due to store the dropping out from cohoole prematurely and also repositing classes.

Dropout at the primary stage is very alamming for all the pupils in general and SC and ST pupils in particular. It is the highest (84.5%) in the case of ST numils in urban schools. Next in order nomes ST girls with 78.6%. The dropout percentage is the lowest (61.3%) in the case of pulity of all communities in urban schools. Further, like imput/cut ut ratio, overall dropout rate is almost of the same order for lath boys (65.5%) and girls (65.2%) of all communities.

output by Number of Ropeating Years

About the third of purils completing the cycle did so without repeating. The me-third restand one wear and the remaining pupils repeated two to three years. A similar trend is emerged in the case of boys and girls of all communities, SC boys and ST pupils in urban schools. It is further observed that the percentage of pupils(Teyrise) completing the cycle without repeating is high r in the task of all communities as compared to pupils belonging to SC and ST

TABLE 1.6

Percentage Output by Number of Repeating Yours

Voars	Percentage Output					
	Pors	Girls	Total	Rural	Umban	•
2	3	1	5	6	7	-
۵	3/1.	31.0	33.2	25.2	50.3	-
1	33.6	33.4	33.5	31.7	30.5	
2	20.0	-	21.4	25.3	10.3	
3	11.0	1 2	11.9	17.8	2.	
		-49			**	-
£	30.0	-5.5	27 . 7	23.3	17.9	
i						
3	1,.2	18.0	15.5	1/1	.⁴ . e	
0	25.0	21.5	25.0	23-0	32.3	-
$\tilde{3}$	18,2	18.9		20.0	12.2	
	2 0 1 2	repeated Poys 2 3 0 34.5 1 33.6 2 20.c 3 11.0 c 30.0 1 33.1 2 22.7 3 12.2 0 25.0 1 31.8 2 25.0	repeated Poys Girls 2	repeated Poys Girls Total 2	repeated Poys Girls Total Rural 2	repeated Poys Girls Total Rural Urban 2

publis in urban schools than in rural ones. Slightly more than half of the pupils in urban schools completed the cycle

without repeating any class as assinst about one-fourth of them in rural schools.

Promotes Profile

Table 1.7 shows promotee profile of rubils of SC, ST and all communities in rural and urban schools. It is on arved that their three-fourths of the number of the number of the subject of the state of

TAPLE 1.7

Front as Profile

Category	Sex/Art.	I	· II	III	IV	Λ
1	2	3	4	5	ñ	
المواهد	Boys	1000	762	567	* 36	
	Girls	1000	726	5 36	420	5 .
All	Total	1000	748	555	429	: 1.
	Rural	1 7	727	5^7	304	ت ل اند
	Urban	1300	776	58 7	406	2.17
	Boys	1.	702	450	ב כנ	3.7
	Girls	1000	665	472	-17	2 12
SC	Total	1000	686	483	36 1	្តាស
	Rural	1000	673	473	3/2	25.0
	U rb an	1000	711	493	367	_ 3 5
	Boys	1-00	643	42 -	- (,
	Girls	1000	716	406	3	2
ST	Total	1001	£75	421	200	2.5
	Ruml	1730	FRE	410	ئ ں ٹ	2 25
	Urban	1300	620	326	182	155

This percentage is the highest (77.6%) among public of all communities in urban schools and the lowest (62.8%) in the case of ST pupils in urban schools.

It is further seen that slightly more that we think the character of all communities in class I complete the cycle and the remaining ones dropout in between. The percentage of purits completing the cycle is the highest (38.7%) among purity of all communities in urban schools and the lowest (15.5%) for ST purits in urban schools.

Percentage of Pupil-Years Spent in Excess

Following table differences the publi-years spent in excess and their percent. It respect to teast pupili-years invested by the proof of completion in the percentage is also an indicator of educational wastable. The higher the percentage more is the wastage. The table reveals that there is no noticeable difference between

:

•		-				
Category	Item	Boys	- Girls	retal	Rural	Umb≰
1	2	3	4	5	6 	7
∠be	Optimum pupil years to/invested	1725	1740	17 30	1545	1935
	Total invest∘d	4916	40 27	40 25	4 5	3679
All	Pupil-years spent in excess	2291	2287	2295	2606	1744
	% of rupil-years spent in excess	57.05	56.79	57.03	6?,7p	47.40
Milliand and American Section (Section 1997)	Optimum Pupil- years to be invest		1195	1425	1 FU	1565
	Total invested	3937	3029	2840	30x 1	3461
S C	Pupil whire spent in example.	2352	2634	2174	?644	1896
	% of Timil , c spent in excuss	59.74	68.75	63.45	66, 20	54.7
	Optimum punit y to be invosted	rs 1100	1060	1000	1175	775
	Total invested	3705	3804		3962	3 0 † 3
ST	Punil years spent in excess	2605	2744	2673	2787	7.78
	% of pupil years spert in excess	70.31	72,13	71.22	70.34	7.1 5 ,

2 .

percentages to bowe interior of all and ill immunities.

However, the bestine to note that these percentages are the resonant for any large of SC and all communities in rural factor. Then the corresponding percents or in urban schools. The theorem highest (74.510) for ST publis in arban are the factors (47.40%) for number of all communities in the factors.

Attribution of the numil-years seent in Excent

Catago I	ry Itch	30y4	Gir.s	T	3:15 T	- , ₁ ,
	Pupil-yraus shout in_cacse.	22:1	2 287	2.02		1/1/
All	(a) Atcrict which to repeaters who com- pleted the cycle					
	(b) Attributable to dropouts			107E (83.11) (
	Pupil years shert in excess			2 4		-
S C	(a) Attributable repeaters who com- leted the cycle			(41,67) (v. #
	(b) Attributable Lo dropouts		2311	2111 (87. t)(*
	Punil-years spont in excess	2605	2744	2673	- 7 c	•
ST	(a) Attributable to repeaters who comp- leted the cycle	300 (11.52		79_ (11.00)(-
	(b) Attributable to dropouts	2305 (೧৪ , 48	2451) (39.34)	(~1, 1	.3	, \ ,

NOTE: Figures within parentheses indicate them respect to proil-years spent in a mesa.

Pupil-years spont in success are attributable to (a) those repeaters who does need the cycle and (b) the public who drop

for pupils of all the sures years due to dropouts is alarming for pupils of all the sures in both as a sure in school tranges from 82.07% for girls of all communities to 92.24% for SC pupils in urban schools.

Excess Funil-years lettri uta le to Dropouts but Trace 7

Catagoxy	Boys	Girls	Coto	N 15"	1 ~~
1			4	THE STATE OF A STATE O	
All	730 (38,04)	6_8 (30,0-)	694 (36,07)		(5)
SC	6^ (737 (1.6)	675 (31, 13)	573 (29.99)	562 (30.90)
ST .	707 (30. 7)	764	738 (31,02)	7F0 (31,01)	+71 (32.07)

Note: Figures within nor the stindicate nurcentage with respect to execty is attrabutable to drownurgh

Ty and large, about one-third or the racess nuclime, attributable to dropouts may not be considered as the limit because of the fact that dropouts beyond Class I utilized a least one or more years effectively before discontinuing their studies.

Conclusions

From the coursed transfers is not one concluded that the state has a very bigh drope of rate of a limiter stage for all pupils in the course of all pupils in the course of all pupils in the course of a state of a state of particular.

imput/output ratios for hows and girls of all communities whereas the ratios are higher for girls than the lower of SC and ST deterories. The interpol efficiency of the educational system is quite low particularly in the case of ST students. This is notinly due to students disping out from schools prematurally and the rate classes.

only about case the first perils as a first tree the cycle did so without more into more the mineral repeated one years I among the name to the pupil-years from it the name of the pupil-years from it the name of the pupil to reactions who completed the cycle.

· • •

The state of Assem consists of 17 distinct covering an area of 78438 sq. km. The total population (projected) of the state in 1981 was 1089 843. The density of population per sq. km. was 254. Among all the states and union Termitories its ranking was 13th by population of the states are very 100 makes. Pofests account for slightly more than one-fourth of the total area of the state.

According to the 1971 Consist the percentage of literate personal and temples were 36.68% of 18 50% respectively. The literator rate in run 1 7200, was 25.24% as against 58.29% in urban props.

There were 21603 common, 0353 unper vire by 1679 secondary and 112 hay. The ry achieve recorded in the Fourth All-II dia Educational Server. The number of schools with primary sections in the state was 22450; of which 21496 (95.75%) were located in ruch areas. Primary stage in Assam commisses classes 1 to 11.

^{*} Actual population figured and not remail bloom agencer of Assem state as 1961 Consus doubt to the subject owing to disturbed conditions promising the subject to

^{**} Consus of Ir. 'c, 1971, Garies-3, Asian, Page 1 a General Report.

As per Fourth All-India Educational Surve and state had a provision of primary schooling facility and 94.20% of its rural population within a walking distance of 1 km. including 81.34% persons who had the facility within the habitation itself. Further, 78.95% of the person in cural areas were served by middle stage schooling facility within 3 km. But only 63.27% of the children in the ge-groun 6 to below 11 years and 37.91% in the age-group 11 to below 14 years were one led in schools. Obviously, the preportion of children enhalted in schools was much less than what it should have been, considering the availability of schooling facilities to them. The signation was even worse as the middle stage.

Sel ction of Schools in Pural Areas

rurlarios of Assir classific ons
namely hilly districts and plain districts. Filly districts
consisted of trabal circles only whereas plain districts had
both trabal and non-trabal circles. Plain districts were further
divided into the regions namely trabal circles and
non-trabal circles. Thus rural areas constitute taree
regions for sampling purposes. Here, circle instead of
block was used as a primary sampling unit (PSU).

replacement (PPSWR) procedure was employed for subjecting the requisite number of circles from each region; since being the number of schools with primary sections in the circle. In all 6, distinct circles were schooled - 43 from non-tribal circles, 11 from tribal circles in plan area, and circles from hill; areas. Out of 16 circles 11 were selected twice. Thus the total number of circles selected from rural areas was 72.

Ten schools with primary sections were micked up from each selected circle by adopting sim to random sampling without replacement (SRSWOR) procedure. Thus, 610 conclus were selected from rural areas. However, the data in rish of 110 schools (from 11 circles included in the sample two times) were consistered twice while analysing the case.

Selection of School - Areas

All the urban areas in the state were treated to a single stretum for the purpose of selection or functions, from urban areas. Out of 1009 schools with mrimum, sections, 250 were selected by employing SASTOR procedum.

Schools Covered Under the Study

The analysis of its was lone in respect of 404 schools

located in rural areas (300 non-tribal areas tribal)

and 63 schools in urban areas. Forms from the remaining

schools were either med and a lor rejection of time of scrutiny due to incomplete/inconsistent information given in them.

Promotee, Repeater and Dropout Rates

and dropout rates, in respect of purils in reral and more schools and also for boys and girls separately for all communities, SC and SI catagories respectively. It is evident from the tables that classwish promotes rates are in ascending order, for set for class I and highest for class III, for all pupils of each catagory. A similar pattern is noticed in the case of boys and girls as well as for pupils in rural schools.

Repeater rate is with high in class I for purils of all communities as well as for thos belonging to SC and ST categories. As many as 30.86% of the pupils of all communities repeated class I. The corresponding figures for SC and ST pupils were 33.87% and 51.24% respectively.

It is observed from the tables that in almost all classes dropout rates are lower than the respective prometal or repeater rates separately for boys and girls of each category. Furthermore, the dropout rates among SC and ST pupils are higher than the corresponding rates in pupils of all communities.

---------<u>1</u>

Promotee, Repeater and Dropout Rates for Pupils of all Communities

Sex/Area	Class	Promotee rate	Repeater rate	rat
1	2	3	4	5
	I	.4115	3971	. 1914
Во үз	II	.6570	.1957	. 1573
	III	.7234	. 2342	.0434
ويرغوب فالدوريون والاستان	IA		.1524	reflective to entire protospession plans again.
	I	.4191	• 3725	. 2084
irls	II	.5974	. 2921	.1105
1113	III	.8762	.123.	.0000
	IA		,1691	·
	I	.4141	. 3886	.1973
	II	.631	. 2245	.1404
: tal	III	.7758	,2242	•2010
	IV		. 1505	
	I	, 3962	. 4005	. 2033
Rural	II.	.6283	.2332	.1905
rarel	III _	.7862	.2118	. 1900
	IV	The proof waste at the proof of the proof	, 1e,	-
	I	.75=6	.16.	.0812
	II	.7131	.1 2 9	.1580
rban	II"	\$ "7	.1075	.1258
ı	7	-	. 1 1 1	The second control of the second of the seco

TABLE 2.2

Promotee, Reneater and Dropout Ratal for Scheduled Caste Pubils

Sex/Area	Class	Promotee rate	Repostin rits	Deprout rat
1	2	in and a second of the second	4	F* (***********************************
-	. I .	•50°A	* 3/75	.1929
	īI.	.6155	. 1075	, 1989
Boys	III	,6*72	,°1 i2	.1650
	IV	4	.1941	
	I	. 4832	. 5233	.1935
Girls	II.	.6103	.2117	.173\
	III	. ó 351	.2121	151
	IV		.1781	
engenerative of the same	I	•5005	.3397	1505
	II	.6137	1540	10'-
Total	III	,6239	. 2152	. 1. 10
	IV	and the second section is a second second section of the second section sectio	.1821	
	I		.7157	1779
	II	.5975	.1993	. 20 32
Rural	III	.6043	. 2242	, 1 115
	IV		.1897	one is a femology. In
	ŗ	. 7003	.1967	,1037
Urban	II	.7719	.1511	prise in the contract of the c
	III	.7739	.1175	.0786
	īV		,1354	

Promotee, Repart and Dropout Ratfor Scheduled Tribe Pupils

Sex/Area	a Class	Promotee Rate	Ropeater	Rate Dropout Raus
1	2	3	1	5
	Ī	.3123	•5034	1043
	II	.5691	.1962	2-47
Loys	III	.6012	. 2321	. 1667
	ΙV		.1489	in take in a second of the sec
-	I	.3189	-5308	.1504
Girls	II.	.5571 -	.1975	.2454
	111	.5953	. 2533	1194
*	IV		.1305	NAMES OF THE PARTY
	I	. 3145	.5124	.1731
	II	5 -50	.1970	.2330
Tota1	III .	3.3	- 7395	.1:13
Francis States and	IV	All religion to a section of the sec	.1439	ng denggan semanan yan serin di dag
	I	3	.5	,±/46
Rural	II	.5595	.1967	.2423
	III	.5967	,2400	. 1533
	IV	e france despendent is a favorable of property of the second of the seco	.1457	The state of the s
Urban	I	.5592	. 3207	.0501
	II	.7595	.2068	.1327
	III	. 6507	, 1265	,1^28
	IA	Special Section Sectio	.10.11	اهه محمد به چینوند که محمد افغان

Analysis of Efficiency

Table 2.4 gives input/cutput ratios and overall dropout rates for upils of SC, ST and all communities in rural and urban areas. Input/out put ratio is higher in the case of boys than girls of all communities. However, there does not seem to be any differ noe

Table 2.4

Input/output Ratio and Overall Dropout Rates

Sex/Area	Inp	ut/Outpu	t ratio	Over	all dropou	it i ita
	All	SC	S T	אוו	50	5 -
1	2	3	4	5	6	-
Bovs	1.83	2.09	2, 72	51.3	55.4	69.3
Girls	1.74	2.05	2. 80	46.8	57.1	67.6
Total	1.79	2.07	2.80	48.1	56.0	58.6
Rurel	1.33	^ , · ·		49.6	-	5 .3
Urban	1.56	1.01	1,62	38.4	28.7	31.5

among boys and girls belonging to SC and ST categories as far a, internal efficiency of the system is concerned. Further, the ratio is higher for purils of each category in rural schools than in urban schools. The internal efficiency is quite low among ST pupils particularly in rural schools.

About 48% of the total pupils of all communities dropped out before completing the cycle." Overall dropout rate

was of higher/for both boys and girls belonging to ST category as compared to _______SC and all _______.

It is evident from the table that the overall dropout rate among pupils of each category in rural schools is much higher than that in urban schools. It is the highest among ST boys (69.3%) and ST pupils in rural schools (69.3%) and the lowset among SC pupils in urban schools (28.7%).

Output by Number of Repeating Years

It is observed from Pable 2.5 that about one-third of the pupils of \$1 and all communities who completed the cycle did so without repeating any class, next one-third repeated one year and the remaining pupils repeated more than one year.

Percentage Output Number of Replating Years

_	Years	Access on white	Percentage output					
Category 1	repeated 2	Boys 3	Girls	_Total	Rurai	Urben 7		
All	0	33.88	34.21	33.14	32.54	52.11		
	1	32.85	32.71	32.95	32.74	31.66		
	2	20.74	20.49	21.00	21.23	12.71		
	3	12.53	12.59	12.91	13.49	4.72		
3C	0	35.43	36,13	35.68	34.65	50.44		
	1	33.1e	33,10	33.18	32.92	31.48		
	2	19.73	19,58	19.78	20.05	12.76		
	3	11.66	11,19	11.36	12.38	4.77		
ST	0	29.64	28.39	29.30	28.99	36.20		
	1	31.92	31.79	31.53	31.60	33.29		
	2	22.48	23.15	22.93	23.13	19.56		
	3	15.96	16.67	16.24	16.28	10.95		

A similar trend is visible in the case of pupils in rural schools. However, pr. ST pupils the the cycle without repeating was slightly less than 30%. This percentage was the Lighest among pupils in urban schools. Promotees Profile

Table 2.6 shows promotees profile of pupils of SC,ST and all communities in rureleand urban preas. The table reveals that about two-thirds of 'all boys'

TABLE 2.6
Promotecs Profile

Category	Sex/Area	Ī	II	III	=v ==
1	2	3	4	5	
	Boys	1000	666	529	een and the second of the sec
	Girls	1000	655	5 3 ₺	577
All	Total	. 1000	662	532	
	Rural	10.	645	517	504
	Urban	1000	902	735	616
	Boys		770	511	446
	Girls	1 006	705	5 3 9	429
SC	Total	1000	748	564	440
	Rural	1აი0	718	529	404
	Urban	1300	871	789	713
	Boys	1000	588	407	30.7
	Girls	1000	626	425	324
ST	Total	1000	600	413	314
	Rural	1000	595	405	307
	Urban	1000	884	835	685

reached class II and the remaining one-third dropped out.

This percentage is higher among pupils in urban schools than i rural ones. It is the highest (90.2%) among pupils of all communities in urban schools.

Percentage of Pupil-Years spent in Excess

Pupil-vears short in evcess along wit thour percentage with respect to total numil-vears invested are given in the fall wave table. The table reveals that the percentage of numil-years shout in excess

Category	Itum	S. 75	Girls	motal	Rural	Urban
1	2	3	1	5	6	7
	Optimum pubil-years to be invested	1948	2128	2076	2016	2464
	Total irvested	36€1	3698	3709	3690	3836
All	Pupil-years spent in excess	1713	1570	1633	1664	1312
**	% of pupil-years spent in exc:	45.79	42.46	44.03	45.22	35.75
	Optimum pucil-years to be invested	1784	1716	1767	1<16	2852
	Total invested	3704	35 29	3642	35 40	4012
5C	Pupil-years spont in excess	1920	1813	1882	1933	1161
	% of punil-years spent in excess	51.84	51.37	51,67	54.47	253
	Ontimum punil-vears to be invested		1296	1256	1228	2710
ST	Total invested	3465	36 34	35 20	3=7.2	4430
	Pupil-years Spent in emess	2237	2338	2264	2274	1 550
	% of pumil-years spent in excess	64.56	64.34	64.32	64.93	38+45

is higher for 'all 'ows' them for 'all girls'. However, no difference ampears in the two percentages of SC and ST categories. This percentage is the highest among ST purils and the lowest among pupils of all communities. Further, there is an appreciable difference between the percentages in rural and urban areas. The percentages are higher in the case of rural areas.

Attribution of the Fupil-Years Spent in Excess

Catrgory	Item	Boys	Girls	Total	Riral	Urhan
1	2	3	4	5	E	7
	Pupil-years sp.nt in excess	1713	1570	1633	1563	1372
711	a) Attributable to repeaters who completed the cycle	545 (31.82)	593 (37,77)	590 (36.13)	55.3 (35.04)	421 (30.69)
	b) Attributable to dronouss	J168	977 (62.23)	1043	1081	951 (69.31)
	Punil-vent Lin	1920	1813	1862	1933	1161
SC	a) Attributable to repeaters who comb- lated the cycle	ູ່ຄາ (25.ch	454) (25.04)	470 (24.37)	445 (23.02	512) (44.10)
	b) Attri' utable to dropouts	14 10 (75.00)	1359 (74.95)	1412 (75.03) (1488 76,98) (649 55,90)
	Pupil-years sment in excess	2237	2338	2264	2274	1690
ST	a) Attributable to reneaters who comp- leted the cycle	383 (17,12)	415 (17.75)	3°6 (17.49)	389 (17.11	611) (39.15)
	b) Attributable to dropouts	1854 (82.88)	1923 (82.25)	1868 (82.51)	1885 (82,89)	1079 (63,85)
		_				1 4-4-

NOTE: Figures within parentheses indicate percentages with respect to pupil-years spent in excess.

•

Although, the percentage of pupil-years spent in excess attributable to dropouts is quite high for boys and girls of all communities, it is more acute for SC and ST pupils. These percentages for SC and ST categories are about 75% and over 82% respectively.

Excrss Pupil-years Attributable to Dropouts but Effective

-	****	a namataman er men dem	And the second of the second		the straight he street to
Category	Зоув	Girls'	Total	Rural	urbar
VII	221	129	156	154	405
	(18.92)	(13.21)	(14.96)	(14.25)	(42.59)
3C	455	386	4 32	439	234
	(31,60)	(28.41)	(30 . 60)	(29.51)	(36.06)
ST	381	403	385	386	349
	(20.55)	(20,96)	(20,61)	(20.48)	(32,35)
~ 80rm u					

NOTE: Figures within parent eses indicate ercentages with respect to excess punil-years attributable to dropouts.

be considered as the total wantage because the publis drowned out after passing class I utilised at least one year effectively. The shows table shows that the percentage of excess publi-years attributable to dromests but effective is higher in the case of SC pupils. Next in order comes ST publis. Further, this percentage is higher among publis in urban schools than their counterparts in rural achools.

Conclusions

Overall dropout rate at the primary stage is quite high for all purils particularly for those belonging to scheduled Tribes. The data reflects an appreciable difference in the dropout rates for pupils in rural and urban schools, the rates being higher in rural schools.

In ut/output ratio is higher for boys than for girls of all communities. However, no difference appears in the ratios for boys and girls of SC and ST categories. These ratios are higher in rural schools than in urban ones. The internal efficiency is quite low among pupils belonging to Scheduled Tribes particularly in rural schools.

While the percentage of puril-years spent in excess is higher for boys than for mirls of all communities, there does not seem to be any difference in the two percentages for SC and ST categories. It percentage of puril-years spent in excess attributable to dropouts is muite high for all purils, especially for SC and ST purils.

BIHAR

The state of Sihar is made up of 31 districts with an area of 1.73.876 fg. km. . It had a population of 6,99.14.734. Though its area was ranked 9th in the country it was the second most populous state in the country having population density of 40% per so. km. as per 1981 Census. There were 14.51% scheduled Castes and 8.31% scheduled fribes in the state.

The state has one of the most fertile agricultural land in the country as number of rivers flow through the state the chief among them being Ganga. The state has large amount of minerals and forest resources. It has many large scale and small scale industries. Inspite of this the ner capita income of the state is \$6.95 as against the national per capita income of \$6.700 to 36.0 min (1990).

The literan rate of the state was 26.20% which ranked 28th in the country. Although 87.5% population of the state lived in rural areas, the literacy rate in rural areas was (22.50%) as against 52,19% in urban areas. Again there was a considerable difference between males (33.11%) and females (13.62%) literates.

After independence omcorted efforts have have made to increase primary education as a result of which primary schooling facilities, have become available in vast rursl areas According to Fourth All-India Educational Survey, 77.97% population in rural areas had primary schooling ficility a within the halitation while 95.54% rural population had this facility within a walking distance of 1 km. This shows that the facility of rrimary education was available almost on universal basis. 'W still only 54.37% children of the ace group 6 to below 11 were enrolled in schools. In the age group 11 to below 14 years only 25.90% children were enrolled in schools. This indicates that a large number of children who do join schools at primary stage leave schools before reaching middle stage. Thus it becomes important to measure the extent of dropouts at primary stage so that means and wars can be found out to arrest it. . Consequence to this, a sum on sample basis has been taken up in 800 primary schools sections in rural areas and 200 primary schools/sections in ur ar preas. Selection of schools from Rural Areas

The state for this purpose was divided into 10 regions.

Each region was further sub divided into tribal and non tribal areas known as sub-stratum. Then the allocation of blocks was made to each sub-stratum using proportional allocation. From each sub-stratum blocks were selected using probability

of achools in the block. Then from each block in schools were selected using simple random sampling without repl cement sampling scheme. The number of blocks selected from each required is given below.

	no production of the state of t	No. of Rural Blocks sel-ctcd				
S.No.	Patna - Magadh - Saran - Tribal block - Darbhanga - Koshi - Santhal Farana 4 - Ehagalpur - North Chotamagpur	Tribal blocks	Non tribel blo ka			
1.	Patna	-	9			
2.	Magadh	•••	б			
3.	Saran	-	5			
4.	Tirhut	-	9			
5.	Darbherga	-	- 6 -			
6.	Koshi	-	7			
7.	Santhal Parsana	4				
8.	Bhagalpur	~	7			
9.	North Chetinagpur	****	7			
10.	South Chotanagpur	±3				
	Total	17	53			
	. به الله به الزور محاوده بالمحافظية عبر بوطه مدود يقيد بدولها في محاود في المحافظية	منتها بهمينيانيديان فالمنته دد ممالي درد				

In the above selection as we have used probability proportional to size, with replacement, sampling scheme 73 blocks got selected insted of 80 as 7 blocks were selected twice.

Selection of Schools From Urban Areas

For selection of "chools from urban areas the state was divided into 5 categories of cities/towns viz. I, II, III, IV

were allocated. Total number of towns selected was 22. There towns were selected using probability proportional to size 11 r replacement sampling scheme. Here the size being the population of the town/city. The number of towns got selected from category I was 1 responsiBI 3, category III 6, category IV 6 and from category V and VI 4. Then schools were selected using simple random sampling scheme without replacement athere. The total number of schools 10 selected in urban areas was 252. Schools Covered Under the Study

After scruting and well-driven or data estimates of promotees, repeaters and dropouts were calculated on the basis of schools given below.

S.No.	Region	No.of Schools of	overed in nr 1 v
		Tribel	Nor. 1977
1	Patna	-	9 0
2.	Maga Th	<u> </u>	50
3,	Saran	-	4 c.
4.	Tirhut	_	70
5.	Darbhanga	_	60
6,	Koshi	_	70
7.	Santhalpargana	40	
8.	Bhagalpur		70
9.	Nort' Chotanagour	-	70
10.	South Chotanagour	130	
	Total	170	5 38

In case of urban areas total schools covered were 106 instead of 252 schools allocated.

Promotees, Repeaters and Dropout Rates

dropout rates of children belonging to all communities 'All'.

scheduled castes (SC) and scheduled tribes (ST) separately for bows, girls and total (boys+girls) and also for rural and urban areas. These rates have been calculated on the basis of 708 rural schools and 196 urban schools. These tables reveal that promotees rate increases between class I and class IV amongst 'All', SC and ST pupils. In case of rural areas trend is same but in urban areas amongst SC students it decreases in class II and then increases in class IV and amongst ST pupils.

No trend is visible between promotee rates of boys and girls for 'All' and SC students. But in case of ST numiliant is bigher for boys in all classes as compare to init in corresponding classes. In ur an areas at enget 'All' promoter rates are higher to that of rural areas in classes I, II and I .

But in class IV promote as rate in rural areas is higher as compared our or urban areas. Arong SC and ST numilia, no trend is visible in promotee rates of rural and urban areas.

The repeaters rate for different classes do not follow any trend in any category. But in class I it is higher than other classes amongst children of all the categories and also in rural and ur an areas.

The dropout rates also do not follow any trend but it is interesting to note that it is almost evenly distributed in all classes amongst all the categories and also in rural and urban areas. In case of schedulad caste students dropout in urban areas is higher than that of pupils of rural areas all classes.

Promotees, Reg. 13 and Dropout Rates for pupils of all communities

SEX/AREA	CLASS	PROMOTEE RATE	REFEATER RATE	DROPQUT RATE
1	2	ست میدند دیده مطبعه دیر ه به مدر پیدند برمید در دیده ما مسید در در	4	5
	I	0.4342	0.4138	0.1520
	II	0.6118	0.1955	0.1027
Boure	III	0.6887	0.1977	7.1135
-433	iv	0.8069	0.1185	0.0748
oys Girls	v		0.0955	
	I	0.4342	0.3921	0.1734
	II	0.6405	0.1763	0.1~32
Girls	III	0.6566	0 - 2017	0.1417
	IV	0.7571	0.1249	0.1180
-	V		0.0933	Artist to Sympose or the age of
	I	0.4343	0.4073	0.1584
_	II	0.6204	0.1897	0.1899
Girls Total Rural	111	0.6790	0.1989	0.1221
	IV	0.7926	0.1203	0.0871
		terri Marie de la company de l	0.0949	The Control of the Page Street o
	I .	0.3843	0.4446	0.1719
D	II	0.5/ 3	0.2367	0.1791
xura1	III	0.6677	n.2169	0.1154
	IA	0.8291	0.1333	0.0376
the special state of the	. <u>A</u> -	AND	0.1051	· ·
	I	0.5445	0.3254	0.1/91
T	II	0.673	0.1301	0.:066
rren	LII	0.6930	0.1754	0.1315
	IV	0.7517	0.1037	0.1
m .	v	Ang the second s	0.0830	-
		Commercial and the second seco		

TABLE 3.2

Promotes, Repeaters and Dropout Rates for Scheduled Caster Pupils

SEX/AREA	CLASS	PROMOTEE RATE	REPEATER RATE	DROFOUT RYEA
1	2	3	4	5
* Marie	Ţ	0.1726	0,3899	0.1375
	II	0.6208	0.1718	0.2074
Boys	III	0.6771	0.1087	0.2142
4 -	IA	0.7513	0.1044	0.1443
inches and products in products in the last	V	Description to the service of the se	0.0758	-
	I	0.4522	0.3783	0.1695
	II	0.6099	0.1481	0.2420
Girls	III	0.6831	0.1042	2.2127
	IV	0.7524	n.0875	0.101
	v ·		0.1158	
, - , - , - , - , - , - , - , - , - , -	I	0.4683	0.3881	0.143
	II	0.6184	0.1668	0.7118
Total	III	0.6734	0.1078	J. (13_
	IV	0.7515	0.1011	0.147.
	V	*	0-05	
	I	0.4210	0.4527	0.1263
	II	0.6410	0.2043	0.1547
Rural	III	0.7025	0.1341	0.1564
	IV	0.7651	0.1224	0.1125
**	V	-	0.0894	per
	I	ი.5085	0.2262	0.1853
	II	0.5783	0.0994	0.3223
Urban	III	0.6170	. 0574	0.3256
	IA	0.7227	0.0553	0.2220
	V		0.0758	

TALL 3.3 Promotees, Repeaters and Dropout Rates for Scheduled Tribe Pupils

SEX/AREA	CLASS	PROMOTES RATE	REPENTER STE	DROPCUT RATE
1	2	3	4	5
	I	0.3374	0.4852	0.1774
	II	0.5853	r.2652	0.1495
воля	III	0.5970	0.1999	0.1031
	. IV	0.7460	0.1138	0.1102
	V		0.1445	
,	I	0.2482	0.5443	0.2075
	II	0.5778	0.2846	0.1376
	III	0.6157	0.2170	0.1673
	IV	0.6716	0.1980	0.1304
+ + 45	v		0.1576	time.
•	I	0.3103	0.5032	0.1865
	II	0.5834	0.2700	0.1466
Total	III	0.6765	0.2044	0.1191
I	IV	0.7296	0.1558	0.1141
	0.1473			
	I	o 0.2905	0.5335	0.1760
_	II	0.5518	0.2759	0.1623
Rural	III	0.6799	0,2290	1.1922
•	IV	0.6979	0.1592	1.1479
	٧		0.1679	gen bespiel an der te ann meger er bestehten men.
		c. 4795	0.2467	0.2738
	11	0.5955	7. 77.	0.0660
U rb an	III	0.6692	0.1043	0.7253
Rural		0.8461	0.1186	0.0353
	I			

s^{int},

Although promotee rates do not differ amonost 'All' SC and ST. Table 3.4 indicates that number of projetees is higher amongst hows as command to girls in all classes and in all categories. In rural and urban areas for 'All' and ST, promotees are higher in urban areas as command to rural areas in all the classes. But in case of SC except in class 1, promotees are higher in rural ereas as compared to urban areas.

Projectees Profile

Category	 Sex/λres	Classes					مالية سيبد التابيية
	O.V.VITEO	I	II	III	IV	v	- **
na til Pri a ett tuli sjättlingig Typropig	Boys	1 000	719	5 37	45 3	407	
	Girls	1000	597	5 35	433	3c 9	
All	Cotal	1000	712	5 37	446	396	
	Rural	1000	د د ۰	495	411	385	
	Urben	1000	700	61∪	E 77	100	
and desirable transport and desirable	Boys	1000	7 5 6	560	422	352	_
	Girls	1000	712	506	383	313	-
SC	Total	1020	747	5 4ର	414	343	
	Riral	1000	7 37	584	473	40 ବ	••
	Urban	10.20	758	486	316	741	-
	Boys	1000	619	475	4C 7	343	
	Girls	1000	197	303	289	2 32	
SI.	Total	100 '	585	448	370	311	
	Rural	1000	ყ 73	426	359	289	
	Urban	_ 20	533	573	426	405	

Again we note that the Table reveals that in rural areas more SC students (408) complete the cycle as compared to 'All' (385) and ST(289). In urban areas ST students have performed better than SC students. In case of boys, less ST boys have completed the cycle as compared to SC and 'All' in this order. The same trend is found in case of girls.

students entering class I have been prepared which are given in appendix. With the helm of cohorts different indicators of wastage and stagnation have been calculated which are discussed below.

1 52 1/2

Imput Output and Overall Dropout Rates

Imput/Output ratio gives the extent of resources overemployed in an educational system than the minimum required while overall dropout rates give the percentage of pupils who have completed the cycle in to the cycle in class I.

Sex/Area	Input/outrut ratio			Overall dropout rates			
	All	sc	ST	All	SC	ST	** **
Boys	2, 17	2.26	2.38	59.30	64.80	65.70	
Girls	2.16	2.48	3, 23	63,10	68.70	76.30	• •
Total	2.07	2, 29	2.56	50.40	65.70	68.90	
Rural	2.12	2.24	2.77	61,50	59,20	71.10	
Urtan	1,95	2,69	1.82	57.80	75.90	59.50	

is maximum in case of 'All' parks where 223% more recourses have been overembly?. It can be the vestice of resources is maximum in the control of the vestice of resources is maximum on the control of the vestice of resources is maximum. In where 177% more resources have been overemployed to red to 'All' (117%) and ST(124%). In urban areas note resources invested in case of SC(169%), All (95%) and ST(62%). The orangle dropout rates for boys among all categories and lower than that of girls in corresponding categories and are higher in rural areas amongst 'All' and ST in comparison to urban areas. The situation is reverse in case of SC students, dropouts bein higher in urban areas as compared to rural areas.

I rountage of Output by Number of Repeating Years

This indicator give us the percentage of students who have completed the collection of those who have completed the cycle after repeating in one or more than one classes.

Category	lears	Percentage output						
		Boys	Girls	Total	Rurel	Urhen		
	0	32.68	33.88	33,08	20.83	41.47		
	1	33.42	33.60	33.59	32.47	33,65		
A11	2	21.38	20.87	21.21	23. 38	17.06		
	3	12.53	11.65	12.12	15.3?	17.82		
	٥	39.20	39.94	39.07	32.84	58.09		
\$C	1	33.24	33.23	33.53	33.09	29.46		
ac.	2	-0.47	17.57	18.37	21.32	9.54		
*****	3	9.09	9.27	9.04	12.75	2.90		
	٥	25.66	21.55	24.44	22.15	42.47		
3T	1	31.78	30.17	31.19	30.45	33.58		
	2	24.49	26.29	25.08	25.95	16.64		
The same of the sa	3	18.08	21.98	19.29	21.45	7.41		

The above table reveals that only about one-third or pupils completed the cycle without repetition, one-third repeated for one year and the remaining repeated for two or thrus years. This is _____ r students of all the ______ categories as well as of rural areas but in case of urban areas about 42% pupils complete the cycle in the first attempt while about 34% complete the cycle after repeting for one year. It is interesting to not, that in ur an areas more pupils amongst SC (* .09) and SI(42.47) complete the cycle as compared to (*) (1.47).

Percentage of Publi Y ard Shert in Sxcess

This table given the number of pupil-years spent in excess than normally required. These have been calculated

on the acception that the system as required repetition.

ategory	Item	Воув	Girls	- Total	Rural	£ 7~
	Optimum public Years to he invested	20 35	1245	1967	1925	714
.ll	Total inverse	1409	3991	4097	4005	4121
		37 1	2146	21 17	2160	2011
	spent in Aceas	53.84	53.77	51.67	52.88	48.BC
	Optimum puril Ye rs to be	1760	1565	1715	20 40	1206
ic .	Total invested	3972	3Ē 7 6	3924	4570	3239
	Punil years spent in excess	2012	2711	2209	2530	20 34
a are market	report in excess	-	59 . 62	56.29	55.36	62,80
	Cotimum punil paars to le	1715	1160	1555	1445	2025
S.P.	Total invested	4076	3748	3983	4108	3695
.	Pupil Years spent in excess	2351	2568	2428	25.6	1670
-	% of rupil	57.92	59.05	6n.96	63.95	45.20

The above to lo now also that percentage of pupil Years spent in exc. I less in case of 'All' as comparato SC and ST. The possible of pupils years spent in excess is more in rural areas as comparato urban areas in case of 'All'

and ST while for SC, nergy of pupil years scent in excess

Attribution of Pupil-Years Spent in Excess

The pubil-years spent in excess can either be due to (i) repeaters who have completed the cycle after repetition (ii) or due to dropouts. In this table the years attributed to these two categories have been discussed.

Category	Item	Boys	Girls	Total	Rural	Urban
	Pupil-years spent in excess		2146	2117	2160	2011
h h	ttributable to cpeaters who ave completed he cycle	463 (19.50)	407 (18.97)	445 (21.02)	482 (22.31)	384 (19.14)
11)	ropouts	1911 (20.50)	1739 (81.03)	1672 (73.98)	1678 (77.69) (1626 80.86)
•	Pupil years spent in axcess			2209	بر د بیون مست	2034
SC C	thributable to cpeaters who hav empleted the yole	re 343	301 (13.02)	334 (15,12)	465 (18.38)	138 (6,78)
11.		1869	2010	1076		1-26
ŗs	Pupil/spent in excess	2361	2588	1875	2065	1896
ST	i) Attributable to repeaters who have completed the cycle	463 (19,61)	345 (13, 33	433) (17,8	424 3) (16.54)	360 (21,56)
1.	1) Dropouts	1898	2212	4 m.m.	21 39 (83. 46)	

This table account amongst SC and ST children. While in case of 'All', more puril-years have been spent on boys dropout. Again the table raveals that more puril-years have been spent on rural dropouts as compared to urbar dropouts.

Excess Pupil-Years Attributa le to Dropouts but Effective

The dropouts could either be those who have left schools even before completing one year of study or those who have discontinued after passing out at least class I. This tells gives the pupil-years attributed to those drop-outswhy have studied atleast for a year.

y + 4100		#** #*		* 1 94 754 91 756		
Catrgory	Boys	Girls	Total	Rural	Urban	
All	18.7 (25.11)	(3 ⁷ .09)	507 (30.32)	414 (24.67)	255 (15.68)	
SC	682 (35.49)	652 (32.03)	680 (35.27)	570 (27.60)	837 (44.15)	
ST	468 (24.71)	473 (21.09)	•	491 (22,95)	417 (31.83)	

We note that more-puril years were effective in case of 'All' mirls. This is reversed in case of SC and ST pupils where more pupil years were effective in case of boys. Similarly more

'All urban. While in case of SC and ST more pubil years were effective in case of urban areas.

Conclusions

The state has a high dropout rate with more than 50% publis dropping out before completing primary state among all the categories of children. It is also noted that girl drop-outs are more in comparison to boys and also dropout is more among rural children in comparison to urban children with the exception in case of Scheduled Caste where dropout is higher among urban pupils in commarison to rural pupils. Again stegnation in the state is also very high with only about wakk struck one-third children completing the cycle without repetition.

The internal efficiency of system is quite low. The low internal efficiency with high dropout and stagnation result into high amount of wastage.

JAM & KASHMIR

The state of Jammu and Kashmir covers an area of 2,22,236 sq. km. (provisional) and is divided into 14 districts. According to 1981 Census the population of the state was 59,87,389, of which 75.95% of population were residing in rural areas. There were no toleduled tribes in the state and the scheduled state population was 4,97,363, which constituted 8.31% of the total population of the state. Its population ranking was 17th, while areawise it was ranked 6th in the country. The density of population per sq- km. in the state was 59.

The state is predominantly agricultural. The peasants supplement their income by Silk Worm rearing, bee-; sheep rearing, basket making and by weaving woolen tweeds blankets. The main cottage industries of the state are making of shawls, carpets, wood carving and metal work. The per capita income of the state was ks.1630 in 1981-82 and compared to national per capital income of ks.1750. The state had 1.54 million people below poverty line in rural ireas during 1981 which constituted 32.6% of the rural population in the state.

The state hal a very low literacy rate of 26.67%.

It was still worse in case of females (15.88%) as compared to males (36.29%). The corresponding figures for India were

36.23%, 24.82% and 46.89%. Although about 79% population lived in rural areas, literacy rate of rural areas was 21.63 as compared to 45.56 in urban areas.

The Fourth All-India Educational Survey (1978) had revealed that the state had a provision of primare schooling facilities to 74.66% rural population within the habitation. This facility was available to 89.94% population within a walking distance of 1 km. In the Fifth All-India Educational Survey the facilities increased to 78.23% rural population within habitation and to 90.70% within a walking distance of 1 km. Although a majority of population had primary schooling facility within a walking a distance of 1 km. only 58.33% of the c ildren in the age group 6 to believe 11 years were in schools.

Selection of Schools from surel Areas

Jammu and Kashmir (which included Kashmir V-lley and Ladiakh).

Prome each region 28 blocks were selected using probability proportional to size sampling with real-acament, size being the number of primary schools/sections in the block. From each selected block 12 schools were selected using simple random sampling without replacement (SRSWOR). Here blocks form the first stage of sampling and schools the second stage

of sampling. The number of blocks and schools selected from each region are as give. Liow.

Number of Blocks and Schools Schools

s,no	Region	Total To. blocks	No.cf hlocks scleeted	No. of schools selected per block	Total No. schools selected
1.	Jarmu	16	28	12	300
2.	Kashmir Velley	C3	25	12	254
3.	(ii)Laddakh	5	3	12	36
to televament .	eradjo of stray k distributory. Aphybrocomyntogathyris-dyssyntyntynys		nethalala deletaration quistique e un s	-	•
	Total	187	56	12	5

In case of both Jammu and Kashmir regions 25 dicting blocks were selected. In case of Jammu 3 blocks were selected twice while in case of Kashmir one blocks wis thrice and one block. The cand twice. The has been selected more than once will be counted as many times as it has been selected for the purpose of estimation. In this state regions were not divided further into tribal and non-tribal as there was no scheduled tribe population in the state.

Selection of Schools from Urban Areas

In case of urban areas, towns/cities were selected as a first stage sampling unit. These were selected using

the population of the Connection. In this state for selection of towns'cities also, each region of Jamou and Kashmir was treated as a separate region. The selection of schools in each town/city was done using simple random sampling procedure. The number of towns/cities selected from each category and schools selected from them are given below.

Number of Towns and Schools Selected

Category	No. of towns sel-cted	No.of schools sclected
I	2	:8
11	-	-
III	5	40
ıν	5	37
V and VI	8	47
Total	20	172

There is no town in this dat vory in this stat .

Schools Covered under the Study

After scruting of the neutions iron all validates of the distressing as a promotees, repeaters inclined and trop-out

rates were calculated as of school and allows

Region/	Schools	covrred
Category of town	Runel	Urban
Jammu	200	
Kashmir	270	
Class I	-	48
Class II		Pro.
Class III	- .	39
Class IV	-	35
Clars V and VI	~	

Promotees, Repeaters and Dropouts

drop-out rates for children halonging to all communities
'All' and scheduled thates (SC) separately for boys, girls
and total (boys + girls) and also for rural and urban areas
These rates have been calculated on the basis of 560 schools
covered in the study from our lareas and 165 schools from
urban areas. These tables ray at that in case of 'All'
promotees rate for boys is higher than that of girls in
classes I and II. But there is not much difference between
promotees rates of boys and girls in any class amongst SC

and urban areas also do not differe appericiably in any class.

In all the categories the promotees rate increases from class

I to class III and then goes down in class IV though only

marginally. The only exception is SC girls, where it

decreases in class III and increases in class IV. The

promotees rate is higher in all classes in urban areas then

in rural areas.

The repeator rates for different classes do not follow any trend both amongst purils of SC and 'All' in rural and ur'an areas. But it is higher in all classes in schools of rural areas as compared to corresponding classes in urban schools.

TOTAL 1.1 PROMOTES, REPEATER AND DROPOUT RATES STATE: JAY U AND KASHMIR

C'TEGORY: ALL

SEX/AREA CLASS PROMOTEE RATE REPEATER RATE DROPOUT RATE 2 5 1.7771 0.6588 0.1641 II 0.7176 0.1779 0.1045 Boys III 0.8436 0.1049 0.0515 0.8430 0.1112 0.045 ٧ 0.0959 Ţ 0.3890 0.0353 0.575 II 0.5543 0.0782 0.3675 Girls III 0.8179 0.0877 0.0944 IV 0.7763 7.1 7" D.0660 V 0.0599 I 0.5891 C • 30 5 0.0475 II 0.6558 0.0946 0.2405 Tetal III 0.8399 0.1007 0.0594 ľV 0.01. 0.0962 こうじょかり Ų 0.0853 I. 7.5538 0.0517 0.3945 Ţ.I 0.5913 7.1104 0.2923 Rural III 0.8151 0.1006 0.0833 IV 0.7762 0.1033 0,1205 V 0.0954 Ι D. 6382 0.0275 0.3347 II 0.8038 0.0516 0.1446 Urban III 0.8787 0.0932 0.0281 IA 0.8919 0,0834 0.0247 ٧ 0.0701

TABLE 4.2
PROMOTEE, REPETTR AND DROPOUT RATES

STATE: JAMAN . . . SHMIR . C.P. . .

SEX/AREA		PROMOTEE RATE	REPERTOR RITE	DROPONT R. TE
	<u> </u>		4	A resonance refer to the national and a first
•	I	0.7530	.0.0193	0.2277
*	II.	018386	0.0685	0.0929
3oys	III	0.8328	0,1141	0.0471
	IV	₹0.7312	0.0874	0.1814
-	V	gang.	0.0885	-
	I	0.7245	0.0223	0.2532
	II	0.7927	0.0916	0.1157
Girls	III	0.6955	0.0782	0.2263
	IV	0.7438	0.0878	0.1684
	V		0.0488	eraffinia di di di mangana di man Simili
	I	0.8202	0,0225	0.1573
	II	0.8351	0,0792	0.0947
rotal .	III	0.8023	0,1192	010785
	IV	0:7472	0.0971	0.1557
	V		0.0766	definition physics space agreement upon the transference agreement agreement agreement agreement agreement agr Agreement agreement agree
	Ï	0.7710	0.0337	0.1953
	II	0.7538	0-1001	0.1461
Rural	īm	0.7813	0.1092	0.1095
	IV	0.8375	0.0861	0.0≥34
	٧		C.0867	يون يه مود دو ويون الجهيدة بالشيطينية بين مودوق ويون ويون
	1	n'u	0.1117	0.1595
	II	14	17 7 115	11.04.35
Urban	II.	1, 1,1	c.12,1	0.0688
	IV	. zala	0.1004	0.1786
	V		0.0719	Sealing and a series of the se

The dropout rates of different classes also do not follow any trend but it is sound to be maximum in class I amongst pupils of all categories, rural and urban excent in the case of 'All' boys, where it is maximum in class II. The dropout rate in class I very from as high as 57.57%, in case of 'All' girls to 15.95% in the case of SC urban. Although promotees rates of boys and girls to not disfer appericiably in any category and also between rural and urban areas, Table 4.3 indicates that there is a substainal difference between boys and girls promoteus both in case of 'All' and SC, more boys are promoted then girls in all the classes. Comparing rural and urban areas we find that more urban boys being promoted in amparison to rural boys in all classes both amongst 'All' and SC. It also reveals that the difference is higher between boys and girls in case of 'All' than amongst SC collutin. It is including to note that in all classes the girls promotees are more amongst SC as compared to 'All'. Also SC pubils have terfore better than 'All' both in rural and urban areas.

TOPLE 4.3

PROMOTILE FROFILE

完全的小学程:	TEMPATE.	£.	KASHMIR
(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	O AM T 10	œ	

Catagory	Sex/Area	- Control of the Cont	· · · · · · · · · · · · · · · · · · ·	Classes	and the second s	医多种 医多甲甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲
		Ī	11	III	IV	
	Boys	1000	825	661	622	589
	Girls	1000	40 3	243	216	180
All	Tatal	1000	618	448 .	418	330
	Rural	1000	585	412	372	322
	Urban	1000	768	691	654	524
	Boys	1000	657	556	5 39	524
	Girls	1000	741	646	48 6	397
S C	Total	1000	839	761	639	572
	Rural	1000	798	668	584	531
	Urban	1000	839	755	695	557

From these rates 'ow charts have been prepared to show class to class cohort history which are given in the appendix. With the help of these flow charts different incides of wastage and stagnation have been calculated which will be discussed below:-

Input Autput Ratio and Overall Drop-out Rates

These two indicies together give the iller:
wastage of resources in education. The ideal situation a
where input equals output that is the ratio is unity. Thus
more the ratio is away from one, lesser the output for a
given input. In other words internal efficiency of the

system goes down as the ratio goes farther from one.

Input/Output Ratios and real Drop-out Ratio

Sex/Area	Inp	Input/Output ratio			Overall dropout rate(%)			
	A11	S C	ST	All	SC	sī		
Boys	1.38	1.49	-	41.1	47.6	<u></u>		
Girls .	2.40	1,76	÷	82.0	60 .8			
Total	- 1.63	1.46	-	62:0	42.8	_		
Rural .	1.83	1.45		67 . 8	46, 9	-		
Urban	1.30	1, 19 -		47.5	44.3	=		

The above table shows that the internal efficiency is quite low particularly in the case of girls. This is primorily due does to store to drooping our before completing the primary stage and reporting in the same class.

The overall dropout rates amongst 'All' girls is maximum and is of the extent of 82% while in case of SC are girls it is 60.3%. The overall dropout rates in rural areas are more in comparison to urban areas both amongst 'All' and SC.

Percentage Output by Number of Repeating Years

This indicator give us the percentage of students who have completed the cycle in the first attempt that is

completed after repeating 1. 0.00 or more than on the Percentage Output by Number of Repeating Years

Category	Years		Percentage output						
agredotă	repeated	Brys	Girls	Total	Rural	Urbar			
1	2	3	4	5	. 6	7			
	•	62, 48	71.11	63.95	58 • 39	71.37			
	1	28.86	23.33	27.37	30.43	23.09			
All	2	8.32	4.44	7,11	9.01	4.58			
	3	2.04	1.11	1.58	2.17	0.95			
	O	67.37	71.03	6F, 26	64.78	67.50			
	1	25.38	23,43	26.40	~26.93	25.31			
SC	2	6, 12	4.79	6,12	6.78	5.92			
	3	1,15	0.76	1,22	1.51	1.26			

The above table shown that a majority of puril (58% to 72%) complete the cycle in the first attempt. The percentage of children passing in the first attempt is more in urban areas than in or a case, which is the for 'All' as well as 'SC'. From this it can be concluded that the percentage of pu i's the stagnate is very low.

Percentage of Puril-Year spent in Excess

The following table gives the number of pubil-years shent in excess than normally required these have been calculated on the assumption that the output of the system has not required repetition.

Category	Item		Girls	T:		Urban
	Optimum rupil years to be invested	2° ;5	900	1900	1610	2620
	Total invested	4071	2164	3092	2940	34 8ຄ
All	Publi-years spent in excess	1126	1254	1197	1330	868
	% of punil-years spent in excess	27.66	58.41	38.55	45.24	24. 9
(optimum pupil years to be invested	2620	1985	2861	2655	2785
SC	Total pupil years invested	3912	3490	4186	3891	A1 1/
	Pupil years spent in excess	1292	1505	1 326	1236	1 5
	% of pupil-years spent in excess	33.03	43,12	31.68	31,76	72.7

Attribution of Pupil-Years spent in Excess

The pupil years spent in excers can either be due to (i) Repeaters who have completed the cycle after repetition or (ii) due be dropouts. In this table the years attributed

to these two categories have been disquesed....

attribution	of Pupil Year	Same +	24	TOPACOE
TO CT TIME TON	CALL SANTE STOOL	うらをけた	7.84	DACESS.

بير الرجيدات و الترويد				, , , , , , , , , , , , , , , , , , ,			
Categ	iory	Item _	Boys	Girls	Total	Rural	U =' > 3,
		l-years it in	1126	1264	1192	1330	860
All	i) rep	ributable to eaters who completed cycle.	304			177	104 (11.20)
	ii)Dro	p-outs	822			1153 (86.69)	
	Pupi sper exce		1292	1505	1326	1236	1359
5C	repe	tributable eaters who completed cycle	215		242 (18, 25)	239 (19.34)	228 (16.79)
	ii)Dr	op-outs	1077 (83.36)		1084) (81.75	c97 (80.66)	1131 (83, 32)

been spent towards girl dropouts both in case of 'All' and SC. We also find that more excess years have been sport in case of rural drop-outs as compared to rural drop-outs as compared to urban drop-outs.

Excess Pupil-Years Attributable to Dropouts but Elfectiv

Dropouts could be either those who have lift so octin class I or those who have drooped out after passing it least class I. This table gives the bifurcation of those

two categories of dromouts.

Excess Pupil - Year - weare to Dropouts Lat 71 ective

Category	Boys	Girls	Total	Rural	Urban
All	341 (41,48)	322 (26.3')	344 (33.86)	403 (34.95)	180 (26, 32)
والمستور فواستان واستراهم والمرا	541	682		A 1 ^{et} Proj	+ 18
SC	(50.23)	(49.96)	577 (53 _• 23)	457 (45.34)	(51.64)
	(50.23)	(49.96)	(53.23)	(45,34)	(51.6

years attributable to dropouts were effective in case of 'All' in comparison to SC children where 53% excess of it wears were effective. We also note that in case of 'All' about 35% excess publi-years were effective in rura areas and 26% in urban areas. The corresponding figures for SC children were 46% of 55% and corresponding figures for SC children were 46% of 55% and corresponding figures for SC children were 46% of 55% and corresponding figures for SC children were 46% of 55% and corresponding figures for SC children were 46% of 55% and corresponding figures for SC children were 46% of 55% and spixis are well as in turns and the communities.

CONCLUSION: The state has very high dropouts at primary stare particularly in the case of girls where 82% of these girls from all communities dropouts before completing the primary stare. The corresponding figure in the case of Scheduled castes is 60%. The situation in the case of boys is also not very encouraging where 41% of them amongst all communities and

48% among Schedul d Castes dropout before completing primary stage. Further we find that a majority of pupils dropout in class I itself. Hence, majority of pupils who complete the cycle, complete it without repetition. This also result into low stagnation.

The internal efficiency of the system is quite low particularly in the case of girls. The low internal efficiency and high dropouts result into high amount of wastage.

MADHYA FRADESH

districts was formal in 1956 as a result of general reorganisation of states in the country. It is the biggest state having an area of 443446 sq. km. As per 1981 Census its population was 52178644 and ranked sixth in the country. The density per sq. km. was 114 and there were 741 females as against 1000 males. About 80% of its population was residing in tural areas. There were 7358533 (14.10%) Scheduled Castes and 11987031 (22.97%) Scheduled Tribes. The Scheduled Tribes are heavily concentrated in the districts of Jhabua, Lastar, Mandla, Shahdol, Surguja and Dhar.

height of 1600 to 2000 feet above sea level. Nearly one—
third of the area of the covered with forests. The
state is very rich that I stands not to Than
and West Benyal is production of minerals. The main
industries are iron and steel, coment, paper, textile,
electrical goods, artificial fibre cloth etc. More than 75%
of the workers in the state are either cultivators or
agricultural labourers. The per capita income of the state in
1981-82 was Rs.1217 as against Rs.1750 for the country and about
60% of the population (24.8 millions) in rural areas was below
the poverty line.

and it ranked 24th in the country. The literacy rate for male was 39.49% as against 15.53% for temales. The literacy rates for Scheduled Caste and Scheduled Tribe population were 18.97% and 10.68% respectively. The literacy rate for rural population was 21.22% as compared to 54.02% for uroan population.

As per Fourth All-India Educational Survey, primary education facility within a walking distance of one km. was available to 90.17% of the rural nopulation. The age specific enrolment ratios in the age group 6 to below 11 years were 61.96%, 32.41% and 17.71% for boys, girls and total, respectively. The no. responding ratios in the age group 11 to below 14 years were '7.73%, 18.68% and 33.74%, respectively! This clearly shows that although 90.17% of the rural population had primary education to try within a walking distance of one km. only 47.71% of the children in the age group 6 to below 11 years were enrolled in schools. Thus a out 50% of the children either had not gone to school at all or ther dropped out later without completing the primary stare. To estimate the extent of dropouts in the State of Madhya Pradesh 708 schools trom rural areas and 267 schools from urban areas were il ctid for the purpose of this study as discussed below.

Selection of Schools from Rumal Areas

The State of Nathun Fradesh was considered as one region for the number of selection of schools from rural areas. A sample of 59 district clocks was drawn by adopting probability proportional to the sampling with replacement, size being the number of primary schools sections in the block. Of these, six blocks were selected twice thus making the total number of sampled blocks to 65. Sixteen of the selected blocks were tribal. From each selected block 12 schools were selected by using simple random sampling procedure.

Selection of Schools from Urban Areas

THELE 5.1

Number of Towns alongwith Number of Schools Selected

Category of towns	Number of towns Selected	Number of schools selected from anch category
1	2	3
V & VI III II II	3 3 4 11 11	72 48 32 90 4 5
Total	32	287

Schools Covered under the Study

After scrutiny of the questionnaires and validation of data, the estimates of promotee, repeater and dropout rates were derived on the basis of 700 schools from rural across : 275 schools from urban areas.

Promotee, Repeater and Dropout Rites

Classwise promoted, reseater and dromout rates for boys, girls indicated and also for rural and urban schools are given in Table 5.2, 5.3 and 5.4 for children belonging to all communitiess, SC and ST Categories, respectively.

Promotee, Romat . and Drojout Rates for Pupils of All Communities

بالمالية المجروبات والمادي مواليوسان	AND AND THE PROPERTY OF THE PR					
SEX/ARBA	CLASS	PROLOTEE P'TE	RELETTER RIT	DROFOUT RATE		
1	<u>2</u>		4	5		
	مید » مید	.6131	.2026	.1843		
	II	.7312	.1330	.135٤		
Boys	III	.6331	.2268	.1171		
	IV	.6991	.1738	.1.71		
to a distribution supposition	V		.1306	_		
	I	. 6507	. 1560	.1933		
	II	. 6639	.1055	. 230€		
Girls	III	.6653	.2012	.1335		
	IA	.6715	, 16 3 9	.1646		
	V	- ,	.1329			
	I	.6270	.1882	.1839		
	II	.7095	.1244	. 1663		
Total	III	·547F	.2193	_ 3 371		
	IV	.65 ± ±	.1711	.1375		
		المنظمة	.1312	The state of the s		
-	I.	.6027	. 2093	_1sao		
	II	.6722	.1422	.1856		
Rural	III	.6221	2296	.1463		
	IV	.6790	.1700	.151n		
		ing	. 1259			
•	I	.7396	.0942	.1662		
	'I	. 8529	∞ 0558	.0915		
rban	III	.7078	.1885	. 10 27		
	IA	.7213	.1736	.1051		
	V ,	without the state of the state	.1423	₩		

PROMET - D CASTE PUPILS

SuX,	AREA CLASS		D CASTE PUPILS	·
	2	Panka	AME REPEATER RAT	TE Drong
	I	هر مراجعة مطاهرين	4	Kara Kara
	II	.6434		5
Boys	III	· 7554	.1908	.1658
	IV	• 6 388	•1103	.1313
_	V	•.677 ₀	• 20 31	. 1581
			• 17 ₀₀	• 15 30
	· ı	60¢.	.1419	• 45 30
7d = 1	II	•6054 74-	,1458	
Girls	· III	•7302	•0950·	·2488
-	IV	′ •509 ₀	.2153	.1748
-	V	• es 30	•1979	·2757
	I	Prop.	. 2210	.1791
		.6340	The state of the s	_
.otel	II	.7496.	.1801	700
	III	.60 ₉₀	· 1067	• 1 859
	īv	-6648	• 2059 ·	-1437
,	V		.1758	.1051
	1	•	#15 03	·1594
	II	.6087 .	70.5	3 <u></u>
ural	III	• 7 ₄₀₅	• 20 31	.1882
	IV	• 00 26	• 12 ₀₆	+139¢
-	, V	• 6682	• 21 38	4 1835 4 1835
	I		• 1626	.1642
	II	•7531	.1436	• +035
ban		∗7850	•0718	1
	III	•6305	•055€	.1751
	IV	-6571	·1815	.159
•	V	- 	• 2074	• 1 860
-			.19 ₃₈	·1355

TROM SCHOOL DED PRES PUPILS

SEX/AREA	CLASS	PROLOTEE RATE	REPEATER RATE	DROPOUT RAIT
1	2	3	4	5
	I	.5607	.2160	.2233
	II	.671.	.1693	.1591
2cys	III	.5147	.2570	.2274
	$\mathbf{r}\mathbf{v}$.5526	. 2240	.2234
	V	and to the state of the state o	.1713	Many Ba. a Nyap pi™a
	τ	.5056	+1975	.2959
	II	.5281	.1257	.2461
Gir.s	III	.1969	.2132	• 26 9 9
	ΊV	.6189	.1982	.1829
	V	-	.1792	
	I	.5465	.2112	.2423
	II	.6604	.1611	.1765
Total	III	, <u>, , , , , , , , , , , , , , , , , , </u>	. 3494	• 2 385
	ſΥ	J. 1. 1. 1.	. ^198	.2161
	-v		.1727	
	I	25.25	. 2207	-2427
	II	*C304	.1686	.1810
Rural	III	· 1:07	.2511	.2482
	IV	.5451	.2201	. 2 315
	V	new .	.1621	topal .
	I	. 60.74	.0722	. 2 384
	II	.7975	.0718	.1307
ı rban	III	.6167	.2338	.1495
	VI	.6757	.2148	. 1095
	v		.2310	

o'

that promotes record to all communities reveals

that promotes record to is higher to rural ones. By and

large, classwise remeating rate is higher for boys in comparison

to girls.

It is observed from Table 5.3 that the promotee rate in each class is higher for SC boys as compared to SC girls.

A reverse trend observed in the case of classwise dropout rate. Table 5.4 relating to ST children indicates that classwire promotee rate is higher in urban schools as .compared to rural schools. Also the dropout rate in each class is less in urban schools in comparison to rural schools.

Further, on commercing Tables 5.2 and 5.4 it is observed that classwise are resides for boys and girls of all communities are less meand to ST bews and ST girls.

from the propoles, repenter and dropout rates, given in Table 5.2, flow chall eve been drawn, which are given in Appendices.

Analysis of Efficiency

Table 5.5 gives two indicators of educational vastace namely input/output ratio and overall dromout rate for different categories of children. Here input/output ratio helps to assess the internal efficiency of educational matern while overall dropout rate gives the idea of the number of Children who discontinue their studies without completing

the cycle.

IATLE 5.5

INPUT/OUTPUI RAILOS O'D OVERALL DROPOUT RAIL

SEX/AREA	TITTO TUCKI			EVO	JT	•	
	ALL	30	2.7 2.7	ديل،	rc	5	
1	2	3	4	5	6	ery / Landings spec - see - Agen	
Boys		4	2.72	56.4	56.8	72.7	
Girls	1.98	2.45	2.92	61.7	71.7	73.5	
Total	1,90		2.75	57.9	50.6	74.1	
Rural	2.05	2.05	2,93	61.8	61.6	75.9	
d rbar	1.54	1,84	1.79	43.3	57.4	56.3	4

output ratio as well as crarell ironant rith is it has in rural schools as compare to using schools. Turth r, in each category that adjusters are larger for bors in comparison to crass. The irrational tratio and overall dropout rate as the highest amongst SI girls. It is alarming to note that in rural schools shout three-Sifths of the children of SC and all communities and three-fourth of the ST children discontinue their studies without condicting the cycle.

Percentage Cutput by Number of Repeting Years

the flow charts given in the appendices.

TAPLE 5.6

Percentage Cutput by Number of Repeating Users

Category	Years repeated	Percentage Output						
		3ovs	Girls	Total	Rural	Urtan		
1	2	2	4	5	6	7		
	C	39.45	44.39	40.85	39.01	49.55		
	1	31.10	33.68	33.97	34.29	32. 15		
IIA	2	1,,6€	15.40	17.34	19.06	13,11		
	3	3.49	F.53	7.84	8,64	1. 35		
	0	41.67	30,52	40.86	40.36	45.48		
••	1	34.26	33, 92	34.26	34.12	J2.86		
\$ 0	2	16.56	17.67	17.0	17,45	1 32		
	3	7.41	9.89	7.87	8.07	34		
to Man with a security	0	32.5C						
	1		37.21	33.59	57 . 62	. 23		
÷ 13		33.70	34.42	33.98	33,52	- , 4		
	2	21.25	18,50	20 . 15	20.75	<u>.</u> .93		
***	3	12,45	9.77	11.97	12,03	9.38		

It is evilent from Table 5.6 that out of the pivils
the completed the rele, about two-fifth belonging to SC and
all communities to another in the ST catagory complete
that repeating any class. In each category about one

third of the children complete the cycle with one year repetition. The percentage of children who complete the cycle without repetition is higher in urban schoole in comparison to rural schools and this percentage is the lowest in the case of ST publis.

Promottes Profile

Table 5.7 gives the promotees profile for lifterest categories of this profile can be used for something class to class to mixture rates.

FABLE 5.7

Fromot_e Profile

Category	Sex'Area	Classes				
		ī	ŢĬ	TII	37	The second secon
1	2	7	4	r	6	rance water to when
	3 0 78	ייחר 1	757	f it	F, ,	~
	Girls	٦,		561		
A31	Total	1000	-77	624	511	-
	Rural	1050	761	59 '	171	-
	Urban	1000	8.17	738		
	Boys	1000	793	673	£ 7, £	No. Pro-Gr
	Girls	1000	709	572	3.5	•
s c	Total	1000	777	5.7	10-	١
	Rural	1 000	~63	641	4.7	•
•	Urban	1020	81.	675	518	426
	Boy-	1000	714	573	392	273
	Girls	1000	629	452	262	215
ST	Total	1900	692	544	366	25%
	Rural	1 000	685	5 34	352	241
* *****	Urban	טי ט <u>ו</u>	744	640	513	4 37

category the number of children who completed the cycle is tore in urban schools in commortison to rural schools.

Further this number is lesser in the case of girls as sometimes.

Table 5.8 gives the puril-years spent in and its percentage to total public-years invested for difficient categories of chillen.

7.5.4.5 g

- 1 ·	. TEDY-	coent	iπ	Excess
		THE SHARE NO. 10-1-10		

Categor		cys	Girls	T^t∍l	Rurel	Ūr'o∍r.
1	2.	3	4	5	ϵ	;
All	Optimum nunii-years to be invested	2100	1915	7105	15.10	2795
	<pre>fotal pwil-years invested</pre>	4082	3791	295",	3906	12 , 1
	Pubil-Years sport	± '22	1876	1887	1996	
	Not pupit-years spent uxid s to punit-years invested		49.49		~ ~ =	€}
sc	Optimum publit-verrs to be invested	. 1€0	1415	1970	15 20	vT 3.2
	Iotal pupil-years invested	4100	3487	3946	39.15	
	Pupil-years spent in excess	1940	2072	1970	anns.	1 - / -
	<pre>%of replit-years spen in excess to total pupil years invested</pre>	47.32	59.42	50.00	-1n	
ST	to be invisted	- 305	1075	1295	1205	2185
	Total purit-years invested	3705	3136	2566	35.1.7	3°+3
	Pupiler is ment	2341	2061	2271	2320	1728
	Not puri -lears spen in excess to notal public of the	t 63.17	65.72	63.68	65.83	44.16

It is revelated from Table 5.8 that the percentage of pupil-years spent in excent is higher in the case of girls as compared to buys. Further this percentage is higher in rural schools in communished to union schools. The the in recentage is the highest among the SI this remaind the lowest for the children belonging to all communities.

Attribution of Iunal-Ynors sugnt in Excess

The puril-point shent in excess may be attributed a) those repeaters the not slettle the nucle through result in and b) to purils the formal bout in between.

Note to make the state of the smeath in Expession

= "J .J"	b w _k j	-	-	Figh	TCt I	Rurel	· · · · · · · · · · · · · · · · · · ·
I.	nniji va bor	-+	ellen − piltur	· -	- ·	100	
i i							
	The second of th	- 4	• •		.4		1701 (7) <u>43</u> -707
• • •		17	· . ()	າຕາ (1າ.51)	2 1) · · .	243 (19.09)
Toly ()	Province -	÷		13. 17.		1765 1 <u>21</u> 4 1 2 1.	1454 (80.91) 1723
En en	an solugh war long besites long besites long besites	eri Guini	·• <u>•</u> (·	217 (10.53)	207 (12.64)	758 5 (11,54)	(17)
1.7.0	פטייטער אַניי	(1)	うよつ・ト	_864 fou 47	135 J	?ບ54 <u>(ຮ</u> ູວຸເຕ	± 31 1

It may he noti a Table 5. In that in each category more than 75% of the notion of spent in a start that to dropouts. Further this percentage is higher in rural schools in comparison to urban schools. The above percentage is the highest amongst ST children and lowest for children belonging to all communities.

Sycass Funil-Years Attributable to Dropouts but Effective

Table 5.10 gives those excess pupil-years attribution to the dropouts which have been effectively utilized by them.

Excess runil-years Attributable to

Drorcosts run Tifactive

Category	Pot	Girls	Total	Rural	Urban
1	2	3	4	5	5
All	620 (42.2)	(44,50)	544 (41.96)	683 (41,95)	526 (47.77)
S C	705 (45.43)	۴n1 (44.70)	730 (45.22)	739 (44.33)	726 (40.93)
5 _T	862 (42.44)	718 (3::. 94)	825 (41.58)	649 (41, 33)	586 (44 .70)

1-07E: The figures in the parentheses indicate percentages with respect to excess publi-years due to drophata.

It is revealed from Table 5.10 that the percentise of Philippears effectively unilised by the dronouts is higher in case of urban schools as compared to rural ones. This rescentage is lowest amongst ST girls. It will be worthwhile

À

to note that shout two-fifths of the excess pupil-years attriballing a "report and a light line of the excess pupil-years attridropped out children who discontinued their studies beyond class I and thus this portion of the excess pupil-years may not be considered as a total wastage.

Conclusion: The state has very bigh dropouts at primary deage particularly in the case of ST pupils there 74.1% of them in out before completing the cycle. Also the input/cutrit r ic in very ligh particularly in the case of ST chil ron to rea this period is 2.75 which shows that the internal attract of the aducational system in the state is very low. Pris is a state Flar's number of Milder, Imposit premotically from a children who come + the rale, only about 40% or thur com lete it with the itition and rest of them complete i with one or more verra remittee. Furth reat of the or -rears spent in to one about one-fifth of them are acceivet to numils who complets the cycle through repitition and inmeiring four-fifths to the dropouts. The in Whators of educational wastage such as input/output ratio, overall Aronout rate, percentage of pupil-years spent in excention higher in rural schools as compared to urban schools. Further these indices are higher for girls in comparison. to boys.

77 13%

The state of Crissa consisting of 13 districts cover an area of 155707 sq. km. and it ranks 10th in the country. As per 1981 Census its population was 26370271 and its country, was 11th in the country. The density per sq. km. v. 150.

There were 981 females for every 1000 males. [bont of a light population was residing in rural areas. There were 30136 of (14.6 Scheduled Castes and 5915067 (12.43%) Scheduled Tri at. The state has rich minoral resources and a net work of riving Three-fourths of the works a in the state were either cultivators of the corks; a in the state were either cultivators of the corks; a in the state were either

According to 1981 census the percentage of lithrat.

persons in the state was 34.23% and its ranking was 24th in the country. The corresponding figures for males and lemales were 47.10% and 21.12% respectively. The literacy rate in rural states was 31.45%.

Literacy rates for Scheduled C stes and Scheduled Imple population were 22.41% and 13.96% respectively.

As per Fourth All India Educational Survey 93,35% of the rural popul tion had brimary education facility in this alling distance of one km. The corresponding All Ir in figure was 92.82%. The age specific enrolment ratios for the age aroup 6 to below 11 years for boys, girls and total with 56.86%, respectively. For the age

group 11 to below 14 years there ratios were 53.91%, 16.91% and 40.67%, supporting 1. They show to 1. 1.90% of the rural population and access to primary education facility within a walking distance of one km. only 56.66% of the children in the age group 6 to below 11 years were enrolled in schools. This induction in the sizable number of children within a domain the nor many stage. The problem is much that a consisting the normally stage. The problem is much again, in a judgment of access of the view only 14.57% of the graph of the clot 11 years were enrolled in schools. The stamps of access of the conduction of the clot 11 years were enrolled in schools. The catampter the clot 11 years were enrolled in schools from much intend and 193 webest urban areas were selected for the purpose of the conductional below:

Selection of Sample from rel Areas

For the increase selection of rebools remain crease the state is into three mones. The Morthous some consisted of fix- limited namely Keengh r, Si Sundamarh, Falonois and Denkaral. The Control rest consisted of fixe districts namely Mayurahanja, Malarura, Cuttack and Fixe, their learners consisted on fixe. Cuttack and Fixe, their learners consisted on fixe. Cuttack and fixed Great , to that, Phulbana and Kalaba the Tack mone was further little land Tribal and Mental and Control of the number of blocks to be selected from each in the other.

decided on the basis of proportional allocation, is given in Table 6.1

Number of Blocks to be selected

		and the second s	the property of the contract o			
Zone	Number of blacks to be selected					
bone	Tribal area	Non-Tribal area	Total			
1	2	3	4			
. Morthorn Zone	8	17	25			
Central Zone	7	22	29			
3 outh rm Zone	15	11	26			
	كالم المحالة ا		and a super-super-super-super-super-super-super-super-super-super-super-super-super-super-super-super-super-su			
Total	30	50	80			

The selection of the in each of the above six areas was done by using numbability proportional to size with replacement sampling, where size being the number of primary schools/sections in the block. Since the sampling scheme with replacement was adopted, ten blocks were selected twice and thus only 70 district blocks were selected instead of 80. Ten schools were selected from each of the rejected block by using simple random sampling.

Telection of Schools from Urban Areas

In all 16 towns were selected from the state of 'ri i' by following the probability proportional to size

sampling scheme, size being the population of the town.

Simple random sampling was used in the selection or schools from the selected towns. Number of selected towns alongwith schools selected from each catagory are given in Table 6.2

Number of selected Towns alongwith histor of Schools selected

Catrgory of Tom	tumber of towns se	lected Number of schools sclected
	2	3
I	3	72
II	3	48
III	3	24
:	4	42
A & AI	3	12

School Covered under the stuly

After scruting of the questionneites and validation of data further helicity was derried out on the besis of schools given in () 6.7.

TAPLE 6 3
Schools Covered under the study

Region/				
cathory of town	F	Rural	,	Urban
	Tribal	Fon-Tribal	Total	iri
	2	3	4	5
North im zone	73	131	204	
Central zone	60	191	251	-
Southern zon?	120	97	217	-
Class I towns	-	-	-	6 0
Class II towns		••	-	49
Class III town.	-	**		24
Class IV towns	-	pin	~	38
Cl ss V & VI torms	-		-	8
To	, 	419	gendaga yakayan ka sa angay san	1 17

Fire o . Robester and Drobout Rates

By following the percedure explained in Chapter 2, classwing promotee, repeater and dropout rates have been worked out. These rates for boys, girls and total and also for rural riur an school are given in Tables 6.4, ...5 and f.C. respectively for the children belonging to all communities, SC and ST categories.

TABL: 6.4

Promotee, Renester and Dropout Rates
for any Communities

Sex/Area	Class	Premotee rate	Repeater rate	Dropout rat
1	enter de la colonida del colonida de la colonida de la colonida de	apulanungan ar ur syddillistere skelle akullen syddillistere 3 Bernelligenskriter i skelle yr - y wildel einingusk - mag	4	5
	I	.30 ^3	•೧576	.1421
	II	.8112	.0547	.1011
Bovs	III	.គ 8 1	.1 ·05	.0414
	vr	• 8F 36	" ∩ 7 ?"	.0637
	7		.0201	
-	I	-8426	.0615	.0959
	II	.8497	.0438	<u></u> 0.5
Girls	III	.7^51	. 1061	.1086
	IV	.8127	.0739	• - 1
A shared Servensia and	V		.0226	<u>-</u> ,
	I	•B159	.0570	*
	ll	• 94.45	•0509	
Total	777	• •	.1212	* . * . *
	I.	.8463	.0733	.0804
	V	=	# L1 & D. A.	~
	ı I		225	tant
	II.		. 3267	.1395
Rural		•7053 •5530	.1859	.1088
MOTOT	III IV	#6349	.2370	. 2000
	V V	* to 249	• 1773 • 1000	•1978 -
	makar a rasamana			
	I	▲87 35	• 00 39	.1226
•	II :	. 8 686	.0278	.1036
U rban	III	. 8508	.1028	.0464
	ĮV	. 87 30	.0599	.0671
	v,	₩.	-0139	_

Promote, . . . ter and Dropout Rates for Scheduled Caste Pupils

Sex/Area	Class	Fromotee rate	Repeater rate	Dropout r
1	2	3	4	5
	I	.7886	.0474	.1640
•	II	.9067	•057C	•0363
Boys	III.	.7052	.1574	11374
	IV .	.8221	.0406	.1373
	<u>v</u>	-	.0427	
	I	.7183	.0495	.2322
	II .	.7968	.0585	.1447
Cirls	III	.6400	.1820	.1720
	VI	.7601	.1243	.1156
	V		•0529	-
	ŗŢ	.7642	.0482	.1876
•	II	111	• 0580	.0679
Total	III	• o., 25	.1646	.1529
•	IV		- c 3	.1268
يوا مستم يه فيه ا	And white the state of the	ing "	.0458	ene .
	-	.3917	.2920	,1163
	II	.7045	.1974	.0981
Rurol	III	. 4593	• 2444	. 2961
•	-v	•£640	.186.	
	V	=	.1135	·1499
	e ende er en	7000	Bellevia appellerindense generalgis och den er er er glovens – ynny geget til e	
	* I	.7996	•0018	.1986
re n	III	• 9094	• 0 2 6 0	.0646
	IV	.7181	.1519	.1300
•	v	· • 6838	.0436	.0725
- 4		a to mander or the our mander-out-arternological physics in pages	•0373	

Fromotos. Para and Dropout To the Schedula Iriba Pupils

Sex/Area	Class	Promothe nite	Repeator rate	Propout rate
1	2	Mil. and all all all all all all all all all al	4	5
	1	•5768	.1452	• 2780
	II	• ^{m ->} 9 <u>1</u>	.0678	.1541
Зсув	III	•7451	.1571	*047B
	IV	# * 15.5	.1799	.0946
	V	<u>-</u>	.0243	
	7	.6543	.177	.1683
	II	.f >19	.0595	,27 3€
irla	-111	. 75.36	.1458	ا الآباد 🖛
	44*	.4t9c	.0801	. 15 10
	V		.0412	190 *
	I	.€032	• 15 39	. 3.
	1 L	.7373	•0550	•
gr = 1	ITI	.7482	.1570	
	37	• •	.1543	• =
	V	-	*****	-
		manu manu manu manu manu manu manu manu	.2()3	. 25QE
	I II	• ପ୍ରକଳ୍	.1925	.1785
Rurel	III	.3113	.7575	231
Kat ~ T	I.A.	.677	. 2204	.102
	77	• • • •	.1135	
ger / Mangarok de g	ar y was become	nage and happen of the neighbours for in special security and security	ur-manufaligielisten France - Mindigal II er e e	e mark r
	₩	.7377	•022	_2395
** 1	Ţ.	. T.M. 3	■ 0023	.7218
Urban	I. T	.55.6	• M 5 40	#06°4
	I'/	. 461	.1 14e	.2131
	V	pa	•0024	

communities that promotee rate in each class is considerably higher in urban schools than in rural schools. Also the classwise repeater 13te specially in classes I and II and dropout rate in classes III and IV of urban schools is considerably lower in comparison to rural schools.

repeater rates for SC and ST pupils specially in classes I and II are considerably higher in rural schools as compared to urban schools. Further classwise promotee rate is higher for SC bows in comparison to SC girls.

On comparing Tables 6.4 and 6.6 it may be seen that promotee rates for boys and irls of all communities are higher than those of ST bows and ST girls. Also classical dropout rates for boys as well as for girls of all communities are lower as compared to ST boys and ST girls.

on the tria of promotee, repeater and dropout rates given in Table 6.4, flow charts have been drawn, which are given in appendices.

Analysis of Efficiency

Tel 1. 5.7 Lors of chare

namely input/output it is and overall dropout rate for different categories of pupils. Input/output ratio helps to assess the internal efficiency of the educational systems in the state while overall immuse rate gives the idea of number of dildren who dropped out in latvocar without completing the eyel.

INTLE for a Coproll Dragett P tes

	בייבורים	t/cutri.	k tio	Core x c	וו לייבן "	•
Enranca .	All	SO	37	NL	37	-
1		3	4 _	5		,
boys	1.28	1. 16	1 . 5a	38	\$ 1 pt	ha m
•	40-17 60 - 1		<u>-</u>			
Girls	1.5		17	3 '. '	•	•
Total	1.32	1,52	1.06	35.⊥	17.4	61.4
Rural	2.33] . 4B	2.46	F2,4	65. °	70.
Urban	1, 24	1.35	1.70	31.1	1 5	50.1

The input/output sitio as well as over II
dropout rate is the highest among ST girls where many three-fourths of them discontinue their studies without

completing the cycle. It may be worthwhile to note that input/output ratio as well as overall dropout rate is injut for girls in commarison to boys. Also there two indicators considerably higher for rural schools as commared to the schools.

appreciable difference between the children of all communities and of SC and ST chearies but in urban schools these indicators for ST... Edmantre considerable higher in comparison to children relenging to all consumities. It is alarming to note that about 50% of the ST children in urban schools and 70% in much schools discontinue their studies without completing to chee.

Percentage Output by Number of Rangating Years

percentage output by number of repeating years has local calculated and given in Table 6.8

Fercentage Output by Number of Repeating Years

7=+ 000F	Years	Percentage Cutput					
Category	repeater	Boys	Girls	Total	Rural	Urban	
1	2	سترين بوسيد ماهيا المستواهد ماه موسود و ال علم مدار من معاصد	1	5	б	7	
	0	70.39	72,80	71.34	33.06	80.44	
	<u>,</u> 1	, 23.96	22.32	23.42	33.88	16.81	
A11	2	4.76	4.24	4.62	21.04	2.76	
	3	0.89	0.5	0.62	12.02	0.29	
The section of the se	0	69.47	60.1E	67.30	32.95	75.90	
	1	24.21	28.47	25.23	33, 82	19.87	
SC	2	5.44	9.57	6.08	21.57	3.5	
	3	0.88	2,08	1.33	11.66	0. 53	
	0	54.41	5e.45	554	32.65	76.0	
	1	31.18	29.22	30.83	34.02	19.5	
st	2	11	وز.ر	10.6.	٧ ٧	1.4 يو	
	3	3,23	2.74	3.11	12.03	5.7	

The above table indicates that there is marked difference between the percentage of rural and urban nupils who complete the cycle without repitition. More than 75% of the pupils in urban schools complete the cycle without repitition whereas for rural schools this figure does not exceed 33.06%.

Process Irefile

Table 6.9 gives the promotees profile for different categories of pupils. This profile may be used to find out class to class transition rates of the pupils.

TALL 6.2
Fromotees Frofile

Category	Sex Area	Classes				
• • •	The state of the control	1	II	III	IV	v
1	2	3	4	5	6	7
	Poys	1000	849	758	721	672
	Girls	1000	897	797	700	£14
A11	Total	1000	867	772	712	649
	Rural	1000	784	673	485	,5 =
	7 rben	1000	377	783	742	⁻ 90
يس منهو ه	terreller inch		n or a statement was a	ng alabaha ng da ngang-ngan ng sa s	سويد محدد خوم ت	s#
	Boys	100c	~	796	•	
	Girls	1000	755	639	499	432
S C	Total	1000	803	745	608	325
	Rural	1700	830	721	430	3.3
	Urban	1000	802	749	633	588
-	The same	- ·				•
	Boys	1000	675	563	5 30	465
rim.	Gir's	T()@	7 9 5	560	423	219
ST	Total	1000	712	561	497	386
	Rur-1	1000	657	510	344	291
	Urban .	1000	75 6	588	5 48	409

It may be noticed from the promotees profile for all communities as well as for SC and ST, that the number of pupils who complete the cycle is more in the case of Poyr in comparison to girls. Purther, in each dategory the number of children who complete the cycle is more in the case of urban schools as compared to rural schools.

Pupil-Years spent in Tycess

The Pupil-years scent in excess and its percentage with respect to total pupil-years invested is given in Table 6.10 for different categories of children.

TABLE 6.10
Pupil-Years Spent in Excess

and the state of t	The production of right and the second of a stational complementary representative appropriate to the second second		فرهود والطور وهدم			
Category	Item	Boys	Girls	Total	Rural	yrb-
1	2	3	4	5	6	, 7
	Optimum pupil-years to be invested	3360	3070	3245	1330	3150
	Total pupil-years invested	4294	4277	4285	4205	476_
A11	Pupil-years scent in excess	934	1207	1040	2435	3 1 8
	% of puril-years shent in excess to total pupil-years wested	21.75	28,22	24.27	57.09	19.17 -
	Optimum puril-years to be invested	2850	2160	2630	1715	2925
	Total pupil-years invested	4159	3658	3990	4261	3977
SC	Pupil-years spent in excess	1309	1498	1360	2546	1051
and the state of t	% of pupil-years ent in excess to tot pil-years invested	31.47	40.95	34.09	59.75	26.45
	Optimum punil-y-lab to be invested	2325	1095	1930	1455	2045
	Total publi-years invested	3676	3407	3587	3576	3467
ST	Pupil-years spent in excess	1351	2312	1657	2121	1422
	% of pubil-years spent in excess to total pupil-years invested	36.75	67.86	46.19	59.31	41.02
						-

The above this remeals that mercentage of publiyears spent in e cm. among the girls belonging to all communities as well to SC and ST, is higher as compared to

*

percentage is considerably higher in rural schools as compared to urban schools. For ST girls this percentage is highest. In rural schools there is no difference between the children of all communities and of SC and ST categories as far as this percentage is concerned but in urban schools this percentage is higher for ST children in comparison to children of SC and all communities.

Attribution of Pupil-Years Spent in Excess

Table 6.11 explains in what proportion the pupil-years spent in excess have been utilized by the children

- a) who completed the cycle through repetition and
- (b) by those who dromed out in between without completing the cycle.

£ 119 :

TABLE 6:11
Attribution of Pupil-Years Spent in Excess

				-	The state of the same of the s	
Categor	y Item	Boys	Girls	Total	Rural	Urbar.
1	2	3	4	5	6	7
	Pupil-yent shent in excest	934	1207	1040	2435	818
	Excess yrars attributable to					
All :	a)Funils who com- pieted the cycle through repatition	(26.02)	201 (16.65)	224 (21.54)	_410 (16.84)	156 (19.07)
	b) dropouts	691 (73,98)		816 (78.46)	2025 (83.16)	662 (80.93)
	Pubil-years spent in excess	1309	1498	1360	2546	1052
	Excess years attributable to					
\$ C	a) Pupils Who com- rlsted the cycle through repe- tition	215 (6.42)	224 (14.95)	218) (16.0	384 3) (15.08	170
	b) drenot ts		1274 (85.05)	-		
	Puril/years smentin rxcass	^t 1351	2312	1657	21 21	1422
	Excess ye . attributab > to					
st	a)Rubils was completed the dvole through mannetiti	294			328 (15,46)	
	b) droncuts	1057 (76, 24)		1420 (85.70)		1308

Figures in parentheses indicate percentages.

I' may be visualized from the above table that about

three-fourths of the averse musil-ye is are extributed to dropouts. It may also be seen that percentage of course puril-years attributable to dropouts is higher in the case of girls as compared to hove. The percentage of encour pupil-years attributable to those children who compared to cycle through remittion is lowest in the case of S. of the Attribution of Excess Pupil-Years due to Dangouse

The excess pupil-years attributable to drowouts

may again be divided into two parts. The first part increder

three roses nupil-years, which have been effectively

utilized by the dropouts and the second part consists of those

puril years which have not been effectively utilized in the

dropouts. Table 6.12 gives the above bifurcation of excess

puril-years attributable to dropouts.

TALLS 6.12

Excess	Fupil-Y		Thic to D		a seed a
Category	Boys	Girls	Totel	Rural	
1	2	3	4	5	e w 4 M Million Shiftingille par us
All	512 (45.10)	552 (54. ĕ7)	404 (49.51)	9 4 4 ((1.68)	(50.10)
S C	573 (52.92)	597 (49.86)	578 (50.61)	952 (*4 * 3 \$)	129
ST	373 (35.29)	1126 (51.46)	512 (43, 10)	63c (35,58)	665 (50.84)
And the second second			a indianta	na mana 42.44	a with

Note: Figures in the parentheses indicate percentages with respect to excess pupil-years attributable to dropouts.



It is revealed from Table 5.12 that in each category of children at least 35% of the excess ou, il-years attributable to drop-cuts are effectively utilized by the punils who continue their studies beyond class I and this part may not be considered as a total mastage. For each category of children this percentage of effectively utilized excess pupil-years is higher in urban schools as compared to rural schools.

Conclusion:

particularly in the case of ST girls where 78.1% of them drop—out before completing the cycle. Also the input/output ratio is quite high in the case of ST girls, which shows that the internal efficiency of the educational system is very low. The indicators of educational wastage such input/output ratio; overall dropout rate and percentage of pupil—years spent in excess are higher for rural schools as commared to urban schools. Further these indicators are higher for girl—in commarison to boys.

RAJI IMAN

and it is the second largest state in India after Madhya Pradesh. According to 1981 Census, total population of the state was 34261862 and it ranked 9th in the country. About 80% of the population was residing in tural areas. The density of population per see him. was 100. There were 919 females for every 1000 males. The over 't literacy rate of the state was 24.38% and it ranked 29th in the country. The literacy rate of males was 36.30% as compared to 11.42% for females. The situation was worse in rural areas where the literacy rate was 17.99% as against 48.35% in urban areas. The state consists of 28 educational districts which have been divided into 735 Fanchayat Samities like blocks in other states.

comprising desert areas, he mucks unry a regions, iaccinating valleys and productive plains. More than one-third of the state is covered to the Thar Desert.

As per Fourth All Ir in Michaelonal Survey the primary education facility within a malking distance of one km. was available to 88.50% of the rural population. The corresponding Al' India figure was 92.82%. The age-specific enrolment ratios for the age group 6 to below 11 years for boys, sink and total were 65.86%, 23.01% and 45.22%

respectively. The corresponding ratios for the age group in the below 14 years were and, 11.94% and 20.0%, respectively. It may be visualized from here that although 88.50% of the rural population was having the primary education facility within a walking distance of one km. only 45.22% of the children in the age group 6 to below 11 years were enrolled in schools. The situation was even more worse in the case of girls, where only 23.01% of them were enrolled in schools. This indicates that a large number of children either had not gone to schools at all or they dropped out later without completion, the primary stace.

Selection of Schools from Rural Areas

For the purpose of selection of schools from rural areas, the state was divided into five educational divisions namely Bikaner, Jodhpur, Jajpur, Udaipur and Kota. Udaipur educational division was further divided into tribal and non-tribal areas. The number of Panchayat Samities to be selected from each educational division, decided by proportional allocation,

is give in Table 7.1.

TAELB 7.1

Number of Panchayat Samities to be selected

Educational division	Tribal area	Non-Tribal area	Total	
no de la constante de la const			4	
Bikaner	-	11	11	
Jodhpur		16	16	
Jaipur	•	15	15	
Udəipur	6	10	16	
Kota	~	12	12	
TOTIL		and the second s	70	

Since probability a ror orthonal to size with replacement sampling scheme was adopted in the selection of Panchayat Samities, six parahayat samities were selected twice and one Panchayat Samiti chrice. Thus in all 62 distinct Panchayat Samities were selected instead of 70. Further 10 schools were selected from each selected Panchayat Samities were selected send selected Panchayat.

Selection of Schools from Urban Areas

In all 24 towns were selected by adopting probability proportional to size sampling size being the population of the town. In this state 20% of the schools were selected from each selected town of class I category instead of 24 schools, 40% schools from each selected class II town instead of 16 schools and 50% schools from each selected class III town instead of 8 schools. All schools were selected from the selected class IV, class V and VI towns. The above change was made to get the required number of schools from the urban areas. Schools in the selected towns were selected by adopting simple random sampling. Category wise number of selected towns along with number of schools selected has been given in Table 7.2.

Number of Selected Towns alongwith Number of Schools Selected

Category of town	Number o selected t	
1	2	3
I	3	138
II	3	30
III	5	45
IV	10	84
V & VI	3	7
Tot 11	24	304

schools Covere under the study

The analysis c. .. was done in respect of soil schools located in rural areas and 235 schools in urban areas. The questionnaires from the remaining schools were either not received or rejected at the time of scrutiny due to incomplete/inconsistent information given in them.

Promotess, Repeater and Dropout Rates

Due to ungraded system of education in classes I and II in the state of Rajasthan, it could not be possible to work out the promotee, repeater and dronout rates for class I and Class II. Table 7.3, 7.4 and 7.5 give these rates starting from class III for the children belonging to all communities, SC and ST categories, respectively.

reveals that in each class promotee rate is higher and dropout rate is lower in urban schools in comparison to rural schools. Tables 7.4 and 7.5 indicate that in each class promotee rate is higher and propout rate is lover for SC and ST boys as compared to SC and ST girls. On compring Tables 7.3, 7.4 and 7.5 it is observed that in each class dropout rate is lover for both boys and girls of all communities in comparison to SC and ST boys as done and girls.

on the basis of promotee, repeater and dronout rates given in Table 7.3, flow charts have been drawn on the assumption that 1000 pupils enter class III instead of Class I.

Analysis of Eff cioncy

Some selected indicators already discussed in chapter 2 have been used to summarise the main features of :

TABLE 7.3

Promotee, Repeater and Dropout Rates for Fupils of All Communities

Sex/Area	Class	Promotee rate	Repeater rate	Dro out rate
1	2	3	4	5
	III	. 8385	.0246	.1369
Boys	IA	. 80 92	•0663	.1245
	V	-	.0429	-
	III	.3380	.0186	.1434
Girls	~IV	.8168	•0657	.1165
·	٧	<u>.</u>	•0 335	-
	III	. 8384	.0229	•1387
Total	rv	<u>.5114</u>	.0564	.1222
	٧	-	•0402	-
	III	.8145	.0311	.1544
Rurel	IV	•7811	.0601	.1588
	v .	-	.0344	
		angelijistopu i ingganization a.e. Hantiyo	on a sufferingeness of a	
	III	•8582	.0157	.1261
ממח ט	IA	.8267	.0707	.1026
	v	**	.0440	-

TAPLE 7.4

Promotee, Repeater and Dropout Rates for Scheduled Caste Pupils

Sex/Area	Class	Promotee rate	Repeater rate	Dropout rate
1	2	3	4	5
•	III	- 7631	•0 390	.1979
	IV	♦7334	.0919	-1747
Boys	V	-	. 0510	. →
	III	.6205	-0442	. 3353
Girls	īV	. 6883	. 0576	· 25.41
	v		•0599	***
Websigned dark of the county was a garage	III	•7 361	•0 304	.2245
Total	IV	•7254	•085 ⁹	.1387
	V	_	•0530	-
	III	•7183	.0 342	. 2475
Rural	IV	.7348	.0955	.1697
	V	-	•0697	***
William Will communication and residences	ITI	.7563	.0452	,1985
Urban	IV	.7170	0761	. 2069
	v	,==	0524	April 1986

TABLE 7.5

Promote Repeater and Dropout Rate for Scheduled Tribes Pupils

Sex/Area	Class	∙⊅romotee Rate	Repeater Rate	Dropout Rate
1	2	3	The same statement of the statement of t	5
,	III	•7845	.0136	.2019
Boys	IV	7343	. •0661	. 1996
	V	-	•0598	-
·	III	. 6865	. 05 45	•2590
Girls	IA	, 6669	′ • • .0£30 ·	. 2501
•	v	<u></u> ,	0753	٠ ـ
	III '	•7738	.0195	. 2097
Total	IV	.7246	•06 <i>8</i> 5	.2069
	V	-	.0632	-
- aphylitetriketrophylitetrike	III	.7672	•0075	. 2253
Rural	ĮΫ	. 7232	.0662	.2106
•	V	. ~	.0443	-
g.	III	.7811	.0501	.1688
U rban	IV	•7280	. 0717	.2003
	v	,	.0993	هيه

internal efficiency at the Primary stage of education.

Table 7.6 gives the input/output ratios and overall dropout rates for different categories of children.

TABLE 7.6

Input/Output Ratios and Overall Dropout Rates

		AND DESCRIPTION OF THE PERSON NAMED IN COLUMN		The state of the s	-	
Sex/Area	Inp	ut/Output SC	ratio ST	Overa All	ll dropout	tote(v)
1	2	3	4	5	6	
Boys	1.22	1.35	1, 35	25.5	35.9	37.5
Girls	1.21	1.57	1.53	25.3	52.6	- 4
Total Rural Urban	1,22 1,26 1,19	1.38 1.38 1.38	1.37 1.37 1.37	25.4 30.1 22.5	39.2 39.6 38.5	47.2 38.8 40.1 35.5
	a markey transport make			-		³³ • 5

Table 7.6 reveals that input/output ratio as well as overall dropout rate is highest among SC grains.

output ratio as well as overall dropout rate is higher in Sc and ST girls in comparison to SC and ST girls in comparison to SC and ST purchase is higher in SC and ST boys. Further the overall iropout rate is higher in rural schools as compared to urban schools.

Percentage output by Number of Repeating Years

Table 7.7 gives the percentage output by number of repeating years.

: 131 :

TABLE 7.7

Percentage Jutput by Number of Repeating Years

Category	Years repeated		Perce	ntage out	put	
coradora		-Bovs	Girls	Total	Rural	Urban
1	2.	3	4	5	6	7
	O	87.11	r8.49	£7 . 53	87.98	87 .49
. 1 1	1	11,68	10.57	11.26	11.02	11,48
All	2	1.21	0.94	1.21	1.00	1.03
	3	0.00	0.00	0.00	0.00	0.00
	G	82.84	84.60	. 83. 22	81.29	83.58
	1	15.13	13.71	14.80	16.23	14.47
SC	2	1.72	1.69	1.65	2.15	1.63
	3	0.31	0.00	0.33	0.33	0.32
	0	86.72	(J. 11)	85.62	ප් ව 4ව	79.53
ST	1	12.00	17.05	12.91	10.52	17.52
	2	1.28	2.46	1.31	1.00	2, 48
	3	0.00	0.38	0.15	0.00	0.47
		•	N			*

It is observed from Table 7.7 that out of the pupils completing the cycle about 87.5% of them complete class III as well as class IV without repetition. For SC and ST pupils this percentage is 83.22 and 85.62 respectively.

Fromotees Profile

Table 7.8 gives promotees profile for different categories of pupils. Class to class movement of the pupils can be seen from this profile.

Promotees Profile

Category	/ Sex/Area	The second of th	Classes	Japan and American State of the 19 2 State of th
		III	IV	V
1	2	3	4	5
	(* * *	1000	860	745
	irl	1nor	51	747
All	unt-1	1000	85 S	746
	R um]	1000	841	699
	Urhan	1000	s 72	7 7 5
हात्स्यातः जन्मे शास्त्रकृतिकः स्था	* Boys	1000	794	641
-	Girls	1000	649 1	474
SC	Potal	10 0	766	608
	Rural	150 0	7-14	604
	u rban	1 100	79 1	615
alin direct angleschiefen a. n.	Boys	1000	795	625
	Girls	1000	726	528
ST	Total	1000	786	612
	Rural	1000	773	599
	U rban	1000	822	645

It is not ced from Table 7.3 that number of children who complete the cycle is more in the case of urban schools as compared to rural schools.

Pupil-Years Spent in Excess

Table 7.9 gives bunil-whord spent in excess and its percentage with respect to total punil-years invested.

TABLE 7.9
Pupil-years spent in Excers

C tegns	Item 2	Boys _	Girls	Total	Rural 6	Urban 7
	O timum pubil-years to be invested	22 35	2241	2238	2097	2325
	Total pubil-yarrs invested	2725	2707	2720	2650	2764
All	Pupil-years scent in excess	490	466	482	553	435
	<pre>%of pupil-vers ment in excess to total ruil vers invested</pre>	17.98	17.21	17.72	20.87	15.88
	Orti Um no il-yo r. to be irrosted	1 933	1422	1824	1812	1845
	Total Pubil-years to be invested	<u>1590</u>	2230		_ '\	2554
SC	Puril-years spent in exces:	······································	817	696	694	709
Perfor standings to securing a	%of rupil-years spent in excess to total ru il years invested	25.75	36.49	27.62	27.69	27.76
	<pre>dptimum pupil-years he invested</pre>	1375	1504	1836	1797	1935
	Thial puril-years nvented	2529	2420	251	2463	2654
ST	I mil-vars spent in excer-	654	336	680	666	719
ar ik menegi capada ay japa	% of pubil-years spent in excest to total pubil-years invented	25.86	34.55	27.03	27.0%	27.00

Table 7.9 r veals that percentage of pupil-years spent

in excess is higher in the case of SC and ST girls as compared to SC and ST boys. Further this percentage is higher for SC and ST children in comparison and all lidren below, and all communities.

Attribution of Pubil-years spent in Excess

Table 7.10 explains that in what proportion the pupil-years spent in excess have been used by the children a) who completed the cycle through repatition and b) by those who dropped out in between without completing the cycle. It is observed that about four-fifths of the pupil-years spent in excess are attributable to dropouts.

TABLE 7.10
Attribution of Pupil-Years Spent in Excess

Catego	ry Item	Boys	Girls	Total	Rural	Urban
1	2	3	4	5	6	7
A Table	Pupil-years spent in excess	· 490	466	. 482	553	439
	Excess years att butable to:					*
A11	a) publis who cample the cycle through repetition		93 (19,96)	102	91 (16,46)	
	b) dronouts	385 (78+57)	373 (80.04)	380 (78,84)	462 (83.54)	334 (76,08)
	Pubil-years . spent in exces:	667	817	696	694	709
SC ,	Excess years attributable to: a) pupils who dompl ted the cycle through repetiti	125	81 (9.91) (116 16 ₄ 67)	130 (18.73)	
	b) dropous a	542	736 (90.09)	580 (83, 33)		
a la man	Pupil-wears spent in excess	65'4	836	680	666	719
	through repetiti	/3 2 0 13	122 (14.59)	98 (14.41)	75 (11, 26)	154 {21, 42
	b) dropouts	563	714 (85.41)	582	591 (88.74)	565

UTT R PRADESH

Country with an area of 294411 sq. km. It consists of 57 districts. It is the most populous state with a total population of 110862013 as per 1981 Census. Slightly more than 82% of . its population were residing in rural areas. The density of population per sq. km. was 377. There were 885 females for every 1000 males. While 21.16% of its population belonged to Scheduled Castes, the proportion of Scheduled Tribes was 0.21% only.

India literacy rate of 36.23%. There were 38.76% literates is among males and 14.04% among females. The percentage of literates in rural areas was 23.06 as against 45.88 in urban areas.

There were 68122 primary, 12049 unper primary, 2182 secondary and 2687 senior secondary achools in the state as per Fourth All-India Educational Survey. The number of schools with primary sections was 70105; of which 62328 (88.91%) were located in run 1 areas.

population was served by primary stage schooling facility within a valking distance of 1 km. including 52.97% having access to the facility within the habitation. This survey also reveals that 53.0% of the children in the age-group 6 to below 11 years were in schools, percentages for boys and girls being

72.54 and 32.74 respectively.

Selection of Schools in Rural Areas

The state was divided into nine regions for selecting blocks (PSU) at first instance. Allocation of blocks to be selected from each region was made in proportion to number of blocks in each of them. From each region the requisite number of blocks were selected by employing PPSWR sampling scheme, size being the number of schools with primary sections in the blocks. In all 110 blocks were selected. Eight schools with primary sections (SSU) were selected from each sampled blocks by adopting SRSMOR sampling procedure. Thus 880 schools were

Selection of Schools in Urban Areas

has been adopted here for selection of achools from urban areas. At the first state of selection 3 towns from category I, 4 from category II, 8 from category III, 19 from category and 31 towns from categories V and VI were selected by adopting PPSWRsamoling scheme, size being the population of each town.

At the second stane of selection 24 schools with primary sections from each selected category I town, 16 schools from each selected category I town, and 8 schools from each selected category III town were selected using SRSHOR sempling procedure. All the schools with primary sections of the

remaining selected towns were included in the sample.
Schools covered under the Lucy

The data was analysed in respect of 606 schools in make areas and 231 schools in urban areas. Since most of the schools covered unfer the study have reported enrolment of Scheduled Tribes as 'nil', the analysis of data could not be taken up for ST purils separately.

Promotee, Reneater and Dropout Rates

rates for mirel and urban areas and for boys and girls of 'All' and SC categories. The tables reveal that classwise promotee rates for boys of SC and all communities are higher than those for girls but by and large the reverse trend is observed in regard to repeater and dropout rates.

TARLE 8.1'

Promotee, Repeater and Dropout Rates for Pu il' of all compuri.

Sex/Area	Class	Promotee rate	Repeater rate	Dronout rate
1	2	3	4	5
	I	•77 35	.1714	•0551
	II	.7813	.1482	•0705
Boýs	III	• 70 37	. 1533	.1430
•	IV	•7460	1167	.1373
*	ν		.0283	7-2
-	I	.7669	.1851	•0480
	II	.7375	.1309	.1236
3irls	III	· .6504	.1€18	"1878
	IV	. 6802	.1202	.1996
	V	gunt	0347	plate
Transporter to the first	I -	7716	.1852	.0432
•	II	. 7616	1454	•0930
r^tal	III	. 6844	1556	.1600
	IV	.7292	.1177	.1531
	v	~	0290	-
	I	.6024	.1829	.2147
	II	. ,7216	.1517	.1267
Rural	III	. 67 39	.1452	.1809
•	ia ,	•67 36	. 1205	.2059
	V	644	.0 325	
	ı	•7983	.1834	.0163
	II	.7667	. 1445	.0888
Urton	III	, 6867	.1573	.1560
	IV	.7391	1171	.1438
	V	, man	+0292	444

Promotee, Repeater and Dropout Rates
For Scheduled Caste Pupils

Sex/Area	Class	Promotee rate	Repeater rate	Dropout reta
1	2	3	4	5
	I	.8717	0971	.0312
	II	.7991	"1382	.0687
Boys	III	•65.8 5	.1523	1992
	IV	.7743	. 1080	-1177
	v	-	_n381	***
n Marines —	I	.7823	.1546	.0631
	II	.7082	.148?	.14 6
Girls	III	.6396	<u>.</u> 1798	.1806
	IA	.6871	.1127	.2002
	v	_	.0484	***
	I	. 8501	.1111	• 0 38৪
	11	.7798	.1356	.0846
Totaļ	III	.6552	.1574	,1874
	IV	- .75 70	.1101	.1318
•	V	-	.0400	-
	I	• 7t76	.1220	.1098
	TI	•7961	. 118 6	.0853
Rurel	III	. 6055	•1 3 75	.2570
	IV	.8710	0936	.0354
1-7-4-1-1-4-1	V	-	.0538	1000 Marie Alexandro (100 construente establista (1
•	I	.8615	.1078	•0 307
	11	,7773	.1378	.0849
Urban	III	.6624	1604	.1772
	IV	, 7403	.1113	.1484
	V	24	.0370	•••

4:3

Furthermore, the pupils of all communities in urban schools have shown better performant in terms of a contain them their counterparts in rural schools. And classwise dropout rates are higher in rural areas as compared to urban areas. However, no trend emerges in regard to promotee, repeater and dropout rates in the case of pupils belonging to Schoduled Castes.

Analysis of Efficiency

Some selected indicators already discussed in Chapter 2, have been used to summarise the main features of internal efficiency at the primary stage of education.

Input/Output Ratio and verall Dropout Rates

Sex/Area	3	nput/ou	trut ratio	o Överall dr	opout rate(%)
	All	- 1	SC	All	SC
1	* . 2		3	4	3
Føys	1.56		1.57	38.5	40.0
Girls	1.87		1.90	52.3	54.5
Total	1,68	4	1,62	44, 5	43+5
Rural	2.01	with the	1,59	62.5	4""
Trian.	1.63	1	1;63	4 0.9	. 43. 2

Table 8.3 reveals that the overall dropout rate is cute in the case of total enrolment in rural schools
(2.5%). It is also noticeable among girls or SC(54.2%) and all

communities (52 3%) - The report rate is the lowest (38.5%)

Input/outcut rate is higher among girls then in boys.
The education system invested 68% more than the minimum pupil.
-- years required for total envolwent.

Autput by Number of Repeating Y pors

Table 3.4 gives percentage output by number of repeating years. The table clearly shows that slightly

TAPLE 8.4

Percentage Output by Number of Repeating Years

	Years		Perc	entage ou	tput	
Catr jory	repeat	ed Boys	Girls	rotal	Rural	Urbar
1	2	3 - 3	4	5	6	7
	٥ ۽	90.08	50.52	51.17	50.93	50.03
	1	33.82	32.50	32.25	32,00	32.32
WIF .	2	3 12,52	12.79	12.61	12,27	12,86
	3	3.58	4.19	3.97.	4.80	*:.89
		-	- ***			
	*; ₄	57 .41	50.44	55.73	57.55	55.81
	1	30 - 47	32.53	30.87	30,13	30.81
S C	2	9.76	12,88	10.58	9.02	10,56
	3	2.36	4.15	2.82	2.04	2.80

without repeating any class, nearly, ene-third repeated one year and the remaining purils repeated two to three years.

Promotees Profile

Promotees profile in respect of pupils or SC and all communities in rural and urban area, is given in Table 8.5.

The table shows that a new 95% of the pupils who joined class I reached class II.

TAILE 8.5
Fromotees Profile

Category	Sex/Area	I	II	III	ΙV	v
1	en e	3	4	5	(-	7
	Boys	1000	9 32	8 50	735	615
	Girls	1000	940	80 3	623	477
All	Total	1000	946	841	6-7	555
	Rural	1000	7 37	625	490	375
	Urban	1000	978	375	*10	591
	Boys	1000	966	888	688	<u>ب</u>
	Girls	1000	<u>ጉ</u> ሚ	768	şni	453
3 0	Total	1000	955	861	6:6	507
	Rural	1000	876	790	£5 4	ភូម
	Urban	1000	966	869	‡84	-63

Tits percentage is higher among pupils in urban schools is manyired to rural schools. The table further reveals that bout tex of the pupils joining class: Complete the syste, brownings in rural and urban schools being 37.5 and 59.1 repectively.

Percentage of Pupil-years - - in Excess

with their percentages with respect to total publi-years invested in completing the cycle. The table reveals that the percentages of publi-years spent in excess are higher for girls than for boys of SC and all communities. However, there does not seem to be any difference between the percentages for SC and all communities. This

TAPLE 8.6

Punil-years spent in Excess

Category	Item	Boys	Girls	Total	Rural	Urban
1	2	3	4	5	6	7
	Optimum pupil-years to be invested	3075	2385	2775	1875	2955
	Total invested	4795	4461	4654	3760	4806
A11	Pupil-years spent in excess	1720	2076	* *-	1,05	1851
	%of pubil-years spent in excess	35,87	46.54	40.37	50.13	38.51
	Optimum pupil-years to be invested	2970	2290	2835	2650	2840
	Total invested	4649	4347	4581	4216	4627
S C	Pupil-years spent in excess	1679	2057	1746	1566	1787
	% of puril-years spent in excess	36.12	47.32	38.11	37.14	38,62

percentage is the highest (50.13%) among total enrolment in schools located in rural areas.

2 1442

Attribution of the Pubil-years Spent in Excess

Categor	/ Item	Boys	Girls	Total	Rural	Urben
1	2	3	4	5	6	7
	Pupil-years spent in excess	1720	2076	1879	1885	1851
All	Attribute le to reporter: who completed the cycle	428 (24.88)	337 (16.23	385 3) (20.49	266 3) (14.11	412 1) (22.25
	Attributable to dremouts	1292 (75 412)		1494 (79 ₄ 51)	1619 (85189)	1439 (77.74)
	Pubil-years spent in excess	1679	2057	1746	1566	1787
SC	Attributable to repeaters who completed the cycle	339 (20.19)	324 (15.75)	343 (19,51)	304 (19.41)	34 3 (19, 19)
	Attributable to 'dropouts	1340 (79.81)	1733 (84-25)	1403 (80.36)	1262 (80.59)	1444

Note: Figures within parentheses indicate percentages with respect to punil-years spent in excess.

The percentage of excess pupil-years attributable to dropouts is consistently high for pupils of 'All' and SC categories in both rural of urban schools. In the just from 75.12% for boys of all communities to 85.89% for total enrolment in rural schools.

Excess Pubil-years Attributable to Dropouts but effective

Category	Boys	Girls	Total	Rural	Urban
1	2	3	4	5	6
A11	670 (51,86)	932 (53.59)	799 (53,40)	727 (44.90)	790 (54.90)
SC	760 (56,72)	914 (5°,74)	781 (55,67)	630 (40.92)	615 (59.44)

Note: Figures within parentheses indicate percentages with respect to excess puril-years attributable to dropouts.

By and large, about helf of the excess purit-years attributable to dropouts may not be considered as the total wastage because the dropouts beyond class I utilised at least one or more years effectively before discontinuing their studies.

conclusions

Input/output ratios and overall dropout rates are higher for girls than for boys of SC and all communities. Further, in the case of total enrolment, these indicators are higher in rumal schools than in urban boos.

Out of the pupils completing the cycle, more than half of them completed it without repeating any class and the remaining ones repeated at least one year.

The percentages of runil-years spert in excess are higher for girls than for boys of SC and all communities.

Again, the percentage of shoess pupil-years attributable to drapouts is consistently high in rural and urban areas in the case of all students irrespective of their sex and caste.

MEST BINGAL

The state of West Bengal came into existance as a result of Indian Independence Act 1947. The state was divided into 16 districts with an area of 88752 sq. km. According to 1981 Census the orpulation of the state was 5,45,80,647, of which 73.53% were living in rural areas. Its population ranking was 4th in the country, while therwise it was ranked 12th in the country. The density of population per sq. km. was as high as 615. The ratio of females per 1000 males was 911,

The main occupation in the state is agriculture in which about 60% population is engaged. The state is a major producer of jute and tea, it has big as well as small industries. The rural areas in the state are well connected with urban areas and among themselves by trains.

The state had a literacy rate of 40 010 000 is higher than All India literacy rate of 36.23%. In case of male it was 50.67% while in case of females it was 30.25%. Although about 73% population lived in rural areas, literacy rate in rural areas was 33.12% as compared to 62.66% in urban areas.

The Fourth All-India Educational Survey had revealed that the state had a provision of primary schooling facilities to 85.07% rural population within the habitation. This facility was available to 96.28% population within a walking

distance of 1 km. In Fifth All India Education Survey facilities decreased to 70 11, rural population and increased/97.38% within a walking distance of 1 km. Although a majority of population had primary schooling facility within a walking distance of 1 km. only 67.60% of the children in the age group 6 to below were in schools. Selection of Schools from rural areas

For this purpose the state was divided firstly into 3 divisions namely Jalpaigury, Presidency and Burdwan. Then to each division, number of circules to be selected were allocated using propertional allocation method. Thus 20 circules were allocated to Jalpaiguri, 20 to Presidency and 19 to Burdwan division. These circules were then selected from total circles in the division using probability proportional to size with replacement sampling scheme, size being the number of primary schools/sections in the circle. Then from each selected directed 2 schools using simple random sampling without replacement (SRSWOR) were selected. The number of circles and schools selected from each division is given below:

Division	Noenf	cicles se	lected	No. of schools selectad
and the supplementary of the contract of the c	Non-Tribal	Tribal	Total	THE PROPERTY OF SECURITY SHIPS AS AS AS AS
Jalpaiguri	16	4	20	240
Presidency	17	3	20	240
Burdwan	11	8	19	228
	44	15	5\$	708

S election of schools from Jrban areas

In urban areas town dities were colored as first stage sampling unit. These were selected using probability proportional to size with replacement sampling scheme, size being the population of the city/town. As already discussed the state was divided into 5 categories of towns/cities after combining 5 and 6 category. The selection of schools in each selected town/city was done using simple random sampling procedure. The number of towns selected under each category and schools selected from them are as given below:

T.	etegory of	No. of towns selected	*	Schools salected	Pr Ste
	I	- 3	The same of the sa	72	
~	II n	3		48	
	III	4		24	
	VI	J	•	28	
-	A & AI	3		198	

Schools invered under the study

After scrutiny of questionnaire and validation of data estimates of promotees, raneaters and drop outs were calculated

on the basis of schools given below.

Division/category	School	ols covered
of Town	Rural	Urban
J alpai guri	. 236	-
Presidenčv	• 238	₩-
Burd wan	226	-
Class I '	• •	60
Class II	· -	40
Class III		22
Class IV .	500	21
Class V and VI	-	37
Total	700	180

Promotees, Repeaters and Dropouts

Table 9.1, 9.2 and 9.3 give the promotes repeater and dropout rates for children belonging to all communities (All), scheduled caste and scheduled tribe separately for boys, girls and total (boys + girls) and also for rural and urban areas. These rates have been calculated on the basis of 700 schools covered in the study from rural areas and 180 schools from urban areas.

TABLE 9.1
Fromotee, Repeator and Dropout. Rate

STATE : UE	ST ENCAL	-	Ca fegory:	ALL
Sex/Area	Class.	Promotee Rate	Reneater Rate	Dropout Ret
1	2	3	4	5
	I	• 326a	.5042	.1690
	II	.6972	.1684	.1344
Boys	III	. 6 5 57	. 1818	.1273
	IA		.1078	
	I	• 30 35	.4276	.2689
	II	.701ε	1701	.1281
Girls	III	.7127	.1784	.1089
	VI		.1058	
efficients or an appear	• • • •	- plakes repopuler distribusion der vice sie sei	يخمه خو ام محجود الباسانية	na Parlamentaria
		. 3175	.4741	. 2083
	I. I	.6988	.1690	.1322
Total	ııı	.7721	.1800	.1173
	IV		·1072	
· • • • • • • • • • • • • • • • • • • •	ī	• 30 35	,5252	.1713
•	II	.6782	.1840	.1378
Rural	III	•6931 ·	.1940	.1127
an deservice management	IV	Print allegan was at the print printing and	1092	
	I	• 3578	.3249	.3173
	II	.7461	.1342	.1197
U rban	III	.7206	, 152 5	.1269
	IV		.10 33	

TABLE 9.2
.
Promotee, Repeater and Dropout Rates

STATE: WEST SENGAL

CATEGORY: S.C.

Sex/Area	Class	Promotee Rate	Repeater Rate	Dropout Rate
1	2	3	4	5
	· I	3255	.4721	•2024
	II	6504	.1866	. 1630
Boys	. III	.6747	. 1796	.1457
	.IV		. 1001	-
	·I	. 3331	. 4850	.1819
	·II	.6284	. 2070	. 1646
Girls	III	↓ 5963	. 1881	.2046
	IV	-	.1364	
and the second s	I	. 3281	.4766	.1953
	II	.6423	. 1929	. 1648
Tocal	III	. 6481	.1861	.1658
	IA	-	.1193	446
ar a v	ī.		<u>.</u> in91	, 2124
	II	.6340	. ‡9 96	.1664
Ru ral	III	.6370	. 18 37	.1793
	in		.:184	<u> </u>
	I	. 4734	.4137	.1129
	II	16714	.1664	.1622
Urban	IJI	.6837	.1922	.1241
	ľ		.1213	-

Promotee, Romanian and Dropout Retain

STATE: WEST BEV AL

CATEOGUR : S.T.

Sex/Area	Class	Promotee Rate	Repeator Rate	Dropout Ret
1		3	4	5
	I	- 305 9	.4381	- 256 0
	II	.5094	.2125	. 2761
Boys	TII	. 5555	.2146	.2298
	īV	-	.1216	
•	I	2441	.5132	-2427
	II	• 4342	.2857	.2801
Gi <i>r</i> ls	III	.6363	. 2751	.08 96
	IA	• –	.1575	-
,	ī	• •2983	.4506	.2521
•	II	. 4893	.2315	.2791
Total	III	.5754	.2096	-1950
-	IV		.1304	•
	I	. 2568	.49~6	. 2456
	II	. 4317	.2670	. 3013
Rural	III	. 4272	.2771	. 2357
	. IV	.	.:731	-
•	I	. 4923	.2010	. 3062
	II	.6903	.1076	. 2021
Urban	III	.7370	. 1413	.1217
	IV	-	.0832	***

These tables reveal that the promotees rate increases

between class I and class III and then it and in class IV.

This is true for boys as well as girls in case of all the

categories. It is interesting to note that in class IV

promotees rate of SC students are higher than that of students

belonging to all communities for boys as well as girls. Also

if students promotee rate in class IV is higher than that

of 'All' and SC in all the categories except in urban areas.

The remeater rate is maximum in class I and the minimum in class IV, among all the categories of boys and girls as well as in rural and urban areas. Also it is higher in all class in schools of rural areas as compared to corresponding classes in urban schools.

class I amongst pupils of 'All' communities and SC communities

the only exception is urban areas. While in case of ST the

trop out rate is maximum in class II the only exception is urban

treas. Comparing rural and urban areas we find that drop out rate

in class I is more in urban areas as compared to rural areas

thought 'All' and ST pupils while in case of SC purils it

is reverse. Although promotee rates for different classes

of boys and girls do not differ appreciably in any category

urban areas. Table 9.4 shows that more boys have been promoted
and also between than girls as compared to in all the classes

amongst pupils of All and ST communities. In case of SC

pupils more girls have been promoted as compared to boys in

I FRANCE

in class I and class III, but in class IV again boys surpasses girls. Comparing rural and urban areas, we find that more pupils being promoted in rural areas in case of 'All' while the case is reversed for SC and ST pupils.

TABLE 9.4
Promotee Frofile

Cat gory	Sex/		Classes		
	Area	ı	II	III	IA
	Boys	1000	617	508	421
•	Girls	1000	514	427	364
A11	Total	1000	574	474	397
	Rural	1000	591	478	40 3
	Urban	1000	525	449	378
	Boys	1000	587	459	370
	Girls	1000	611	472	34.2
\$C	Total	10	5 9 6	461	362
	Rural	1000	· 551	426	325
	Urban	1000	784	623	518
	-	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	- 3-4	nganggangan sagar ang mangganggan	
	Bovs	1000.	525	333	230
	Girls	1000	466	271	227
St	Total	1000	509	316	229
	Rural	1000	481	273	175
	Urban	1000	61 6	476	405

Prom the rates calculated above flow charts have been prepared to show class to class movement of which are given in the appendix. With the help of these

flow charts different indicies of wastage and stagnation have been calculated which will be discussed below.

Input/Output Ratios and Overall Dropout Rates

of resources in education. Input/Output ratio give the extent of resource over-employed in an educational system than the minimal equired. While overall dronout rates give the percentage of pupils who have completed the cycle in relation to those who enter the class I.

Sex/Area	Input,	Outrut	ratio	Overs	Overall dropout race(%)		
	All	SC	ST	All	SC	ST	
Boys	2,19	2, 34	3, 30	57.9	63.0	77.0	
Girls	2.42	2,60	3.71	63_6	65.8	77.3	
Total	2.40	2,42	3. 75	60.3	63,8	77.1	
Rural	2.28	2,61	4.38	59.7	67.5	82.5	
Urban	1.99.	1.89	ī. b	62.2	40 € €	59,4	

resources is maximum in case of rural ST children, where

338% more resources have been invested on the other hand the
number of pupils who have completed the cycle were only

17.5%. This table also reveals that more resources have been
wasted in case of girls as compared to boys amongst all the
categories of students. Also more resources have been invested

The overall dropout rate is maximum in case of rural ST children where 82.5% children dropout before completing the cycle. Again comparing hows and cirls to find that dropout rates are higher onong times as compared to boys in all the categories. The rural and urban comparison shows that dropouts are more in rural areas as compared to urban areas in SC and ST communities. While in case of 'All' dropouts are more in urban areas.

Percentage Output by Number of Repeating Years

This indicator give the distribution of the percentage of students who have completed the cycle in one or more than on attempt.

	Years					
Category	repeated	Boys	Girls	rota1	Ru ral	Urban
	0	33.73	. J	35.0	J	*1.16
	1	32,30	32.59	32.49	32.01	30.15
All	2	20.67	19.23	20.40	22.08	21,32
	3	13.30	10.71	10]09	14.39	6.37
	0	34.32	31.29	33.43	32, 31	36.87
	1	32.43	32.75	3°.32	32.62	32.82
SC	2	20.81	21, €4	20.00	21,54	19.50
	3	12,43	14.32	13,26	13.54	10.81
	0	33.04	25.11	30.84	25.14	56.40
	1	34.04	31.28	32.16	31,43	30 + 30
St	2	20.08	24,67	22.03	24.57	10.10
	3	13.04	18,94	14.97	18.86	3, 20

pupils completed the cycle in the first attempt amongst all categories of students and about non-third completed it after repeating to a year. While the rest completed repeating it either for 2 years or for 3 years. We also find that more pupil complete the cycle in the first attempt in urban areas as compared to rural areas in all the categories.

Percentage of Pupil-Years Spent in Excess

This table gives the total number of years invested as well as obtinum years required to be invested and then the percentage of public years spent in excess, taken in completing the cycle. This have been calculated on the assumption that the output of the system has not required repetition.

∞ TD..../-

Catego:	~	⊃oys	~	4	aural	Urben
	Cotimum pubil/years to be invested	ļ684	2455	1598	1612	1512
	Total invested	3606	35 1 7	3810	3679	3013
A11	Furil-years spent in excess	2002	2061	2222	2067	1501
	%of pupil-years spent in excess	54.31	50,60	58.32	56,18	49.82
	Optioum puril/years to be invested	1480	1368	1448	1 300	2072
	Total inverted	3467	3550	3497	3392	3924
SC	Pupil-years spent in excess	1987	2180	2049	2092	1852
	%of pupil-years spent in excess	57.31	61.46	58.59	61.67	47.20
	Optimum pupil/years	92 0	908	വട	700	1624
	Total invested	30 38	3371	3071	3066	2935
ST	Puoil-years spent in excess	2118	2463	2165	2366	1 311
	%f pupil-years spent in excess	69.72	73.06	70.17	77.17	44.67

This table reveals that percentage of pupil-years spent in excess is less in case of 'All' as compared to SC and ST. The higher percentage of pupil-years have been spent in the case of rural areas is compared to urban areas among 'All'

category pupils. Comparing urban areas among 'All', SC and ST categories we find that a summary of pupil and areas in more in case of 'All' (49.82) as compared to SC (47.20) and ST (44.67).

Attribution of Pupil-Years spent in Excess

The pupil-years spent in excess can be attributed either to (i) to repeaters who have completed the cycle after repeatition (ii) or due to dropouts. In this table the years attributed to these two categories have been discussed.

	rijalinings all 9 vin 20 Maleggeranin vinter 8 Natarilian Milespagneren filjanderen dilipideren. De 1000 v		- 1 - 1 - 1		**************************************	
Catego	ory	Boys	Girls	Total	Rural	Urban
	Puril-years spent ' in excess	3003	2061	2222	2067	1501
	Attributable to repe-					
All	aters who have comple- ted the cycle	478	376	435	481	375
·	Dropeuts	1524	1685	1787	1586	1126
	Pupil-years spent in excess	1987	2180	70.40	2192	1852
SC	Attributable to rege- aters who have comp- leted the cacle	412	407	413	378	540
	Dron-outs	1575	1773	1636	1714	1312
	Pupil-years spent in excess	2118	2463	2155	2366	1311
3 T	Attributable to repeaters who have completed the cycle	262	454	275	240	244
	Drop-outs	185 6	5 ,09	1880	2126	1067
-	the same of the sa	-		STATE OF THE PERSON.	The state of the last of the l	The American section is a

on dropouts on SC and ST of the commarks of the from table reveals that more numil-vers on dropouts are made in rural areas in commarked to urban areas. Also more years on dirac dropouts have been spent in commarks on to boys dropouts in case of all caterories of publis.

Excess Puril-years attributably to Dropouto But Effective

The dropouts on he classified into two categories:

Those improuts the have left schools even before

- Those ironouts the have left schools even before completing or year of study.
- Those who have discontinued their studies after passing atleast class I. The table given below gives the pupilyears attributed to those dropouts who have passed otherst class I.

Category	Poys	7. In	in al	Rural	Urban
A 11	862 (56,56)	(50.39)	(857)	ಕಂಳ (54.22)	840 (74.60)
SC	936	1057	974	1002	853
	(59.43)	(59,62)	(59 .54)	(58.46)	(65 . 02)
ST	1168	1056	1138	12 ⁹	874
	(62,93)	(52.56)	(60.53)	(57 -91)	(81.91)

The above table reveals that more than 50% of the excess years attributable to dropouts have been effective.

This percentage is more in case of urban areas as compared to rural areas. It also reveals that excess publi-years attributable.

table to dropouts but effective are not different in case of

conclusion

から かんいしゅうかん でいれ

The state has a high dropout rate amongst pupils of all categories with more than 57.9% children dropping out of schools before completing primary stage. It is as high as 82.5% amongst ST rural children. It is also noted that girls dropouts are higher than boys amongst all categories of children. Also dropout is higher in urban areas amongst 'All' while in case of SC and ST pupils it is higher in rural areas.

The state has a high stagnation with only 1/3rd of pupil completing the cycle in first attempt. The internal efficiency of the system is quite low. The low internal efficiency with high dronouts and stagnation result into high amount of wastage.

APFridDIA-I

STUDY ON STAGNATION AND DROP-OUTS AT PRIMARY STAGE Instructions for filling the Proforms

please read the following instructions carefully before filling the profoma:

use ball- point pen for filling the proforma.

Numerical information sought in the proforma is to be supplied in International Numerals, eg. 1,2,3,4 etc.

- Item 7: (i) The schools run by State or Central Government, Public Undertakings, and Autonomous Organizations completely financed by the Government will be treated as government schools.
- (ii) The Schools run by municipal corporations, municipal committee, notified area committees, Zila Parishads, Panchayat Samities, etc. will be treated as local body schools.
- A tick mark () is to be put within brackets against the answer choice applicable to your schools in items 7 & 9.
- Item 9: (i) A school is 'School for Poys' if boys are admitted to all classes and admission of girls is restricted to some specific classes orly.
 - ii) A school is 'school for Girls' ___ ' ard admitted to all classes but admission of boys is restricted to some specific classes only.
 - (iii) A school is 'Co-educational' if both boys and girls are admitted to all classes in the school.
 - Item 11: (i) New Entrants -: Those pupils who were not studying in recognised schools of the State in the previous year will be treated as new entrants. Students seeking admission with Transfer Certificate from a recognised school of your state are not to be treated as new entrants.
 - (ii) Promotees-Those pupils who passed/promoted from the previous class from any recognised school of the state will be treated as promotees.
 - (iii) Repeaters Those who have failed/retained in 1888 anne class from any recognises school of the similar to tracted at repeaters.

Study on Stagnation and Drop-outs at 1		·		ı
District			-	
Block/Tahsil				
Village/Town	•			
Population of the Village/Town accord	ing to	1981	Censu	1 5 .
Category Tota	l Popul			
All Communities				
Scheduled Castes				
Scheduled Tribes	-			-
Name of the School		* 6	the state of the s	-
(a) School management :				
(i) Government		()	
(ii) Local body	1	(•	
(iii) Private ajded		(-	>	
(iv)Private unlied		()	
Classes taught in the school:				
From class to class	*** **	. **	•	-
Type of School :			-	
(1) Boys		()	
(ii) Girls	•	()	
(iii) Co-educational		()	y colemne

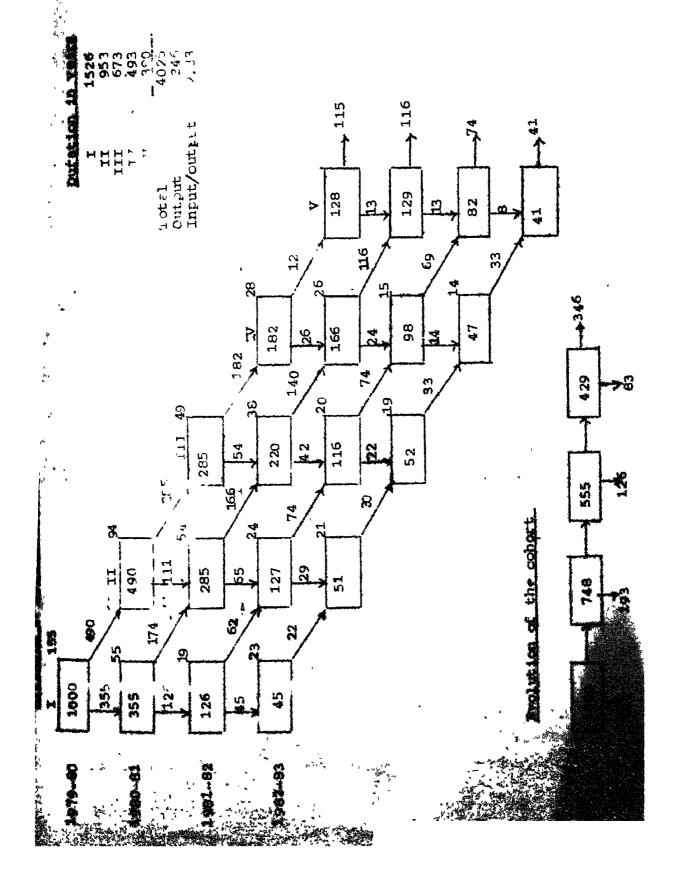
r e e

1	Incentive Scheme	Whether School has the scheme Yes/No	
•	1	2	3
	1. Free Uniforms	r glusser fransson gar filosoog, krigengar grinsplantuske unsvillige. Dr. gluss	
	2. Free Text-books		
	3. Mid-day-Meals		
	4. Attendance Scho	larship for girls	
			است. خوان درد درد از در در از در درد از درد درد از درد درد از درد درد درد درد درد درد درد درد درد در
		•	 • •
11 .	Furnish the follo pupils 30th September.	wing information refer the las	egarding enrolment of st three years as on
		ies/Scheduled Cast	es/Scheduled Tribes
Acceptance of			
Clas	s Category	1979-80 " - :	1980-81 1981-82 .:
		Total Girls	Total Girls Total Gir
1	2	3 4	5 6 7 8
I	New Entrants Repeaters Total	ander out of the second of the	
	New Entrants	والمراقبة الموافقة	gajant um uma annaga ar-nota-areas - magastre droktoblejaggengatreyaya tea atsayar haber. Att
II	Promotees		
	Repeaters	The print is the same distinguishing in the same	
	Total		که خصی روه خوههوری پیشتونیر به نشاههای ــ سـ و
· ************************************	New Entrants	the second of th	a and the second se
III	Promotees		era e umana santa ana erresponsabilitativa dell'ignobilitativa dell'ignobilità dell'internazioni dell'
~~~	and the same of the same of the	ماها ما ما بداه با المنطقة بعراد	n and the second
	Repeaters	A STATE OF THE PARTY OF THE PAR	and the same states or contains the same states of
	Total	adentinana per n. 4 to to the Appendix (Antique de	The second section of the section of th
Marian Care	New Entrants	هم واستنهاده سرگید ساد دهاست.	
Militare services in the services of	* TOMOTGES		
Iv	Promotees Repeaters		The state of the s
IV	Repeaters Total	The state of the s	
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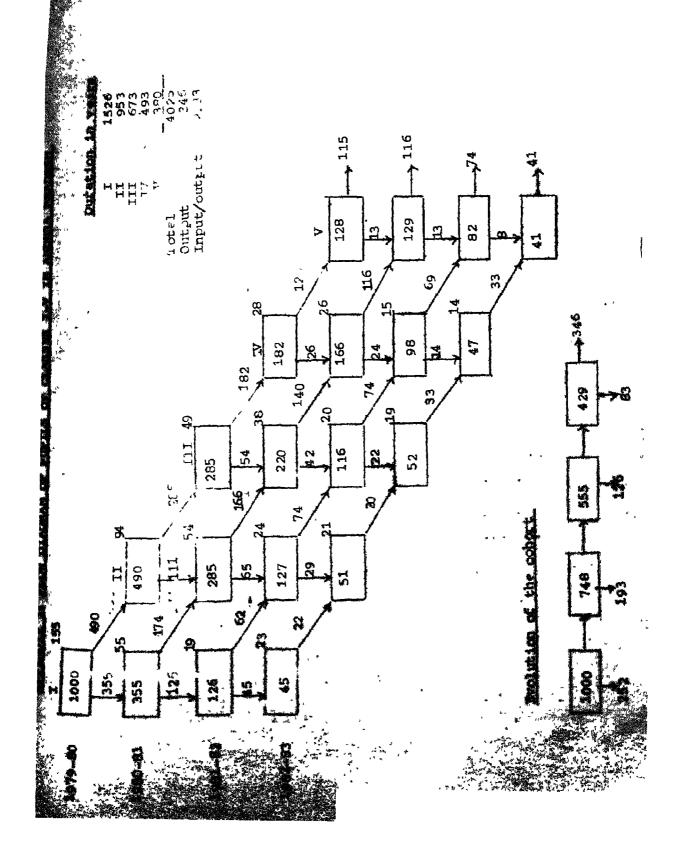
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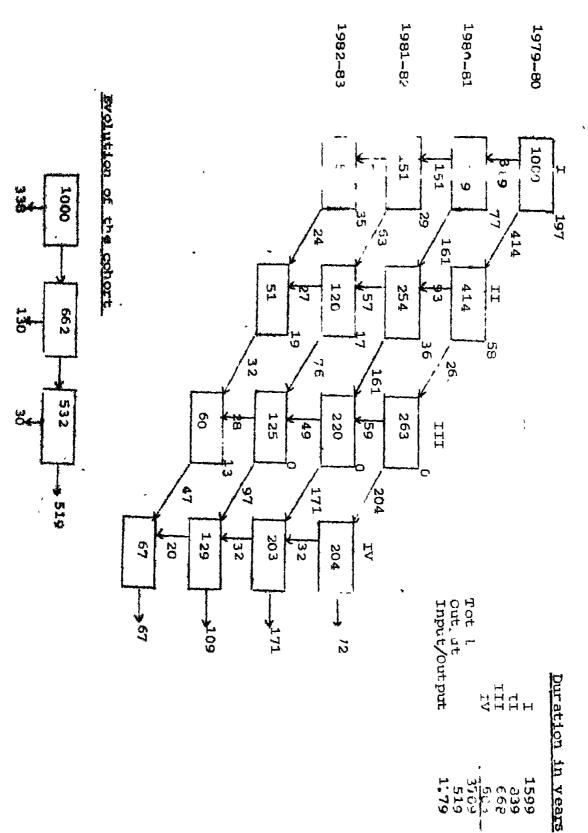
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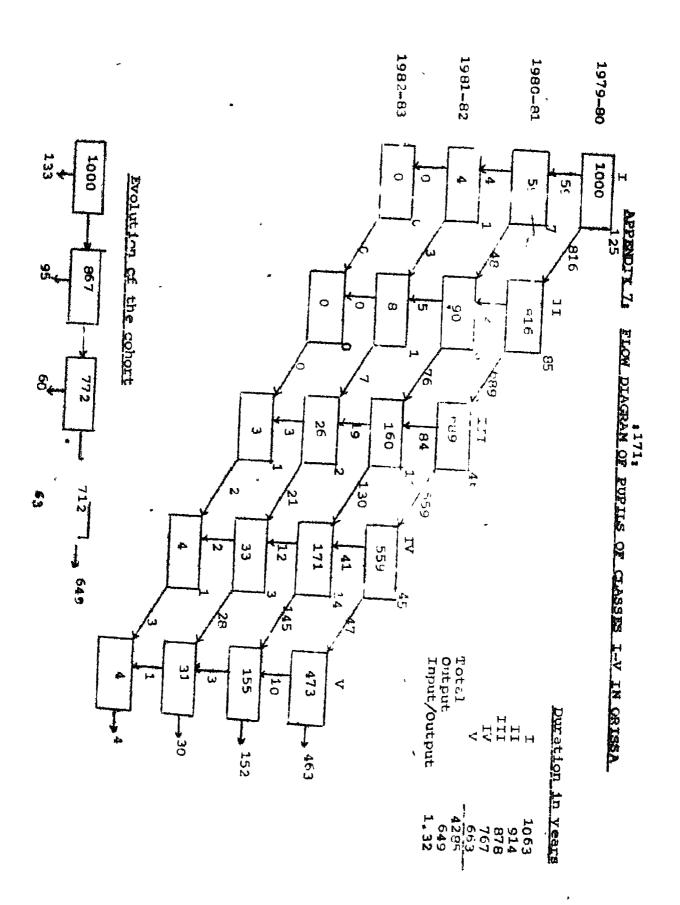
APPENDIT 3: FLOW DIAGRAM OF PUPILS OF CLASSESI-IV IN ASSAM 167

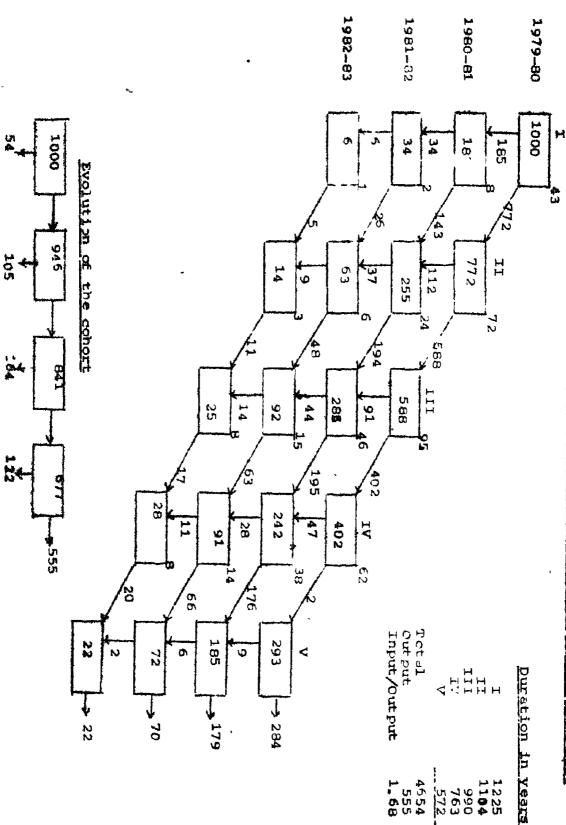


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